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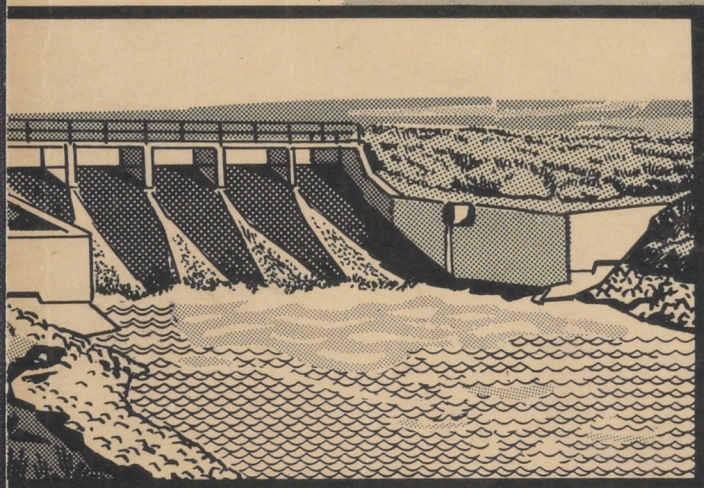


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Annual Report

Prairie farm rehabilitation
and related activities

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ANNUAL REPORT
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ORGANIZATION

The Prairie Farm Rehabilitation Act is administered by a Director with headquarters in Regina, who is responsible to the Deputy Minister of Agriculture in Ottawa. Other offices, ranging from regional headquarters to those for individual community schemes, are found at 194 locations in the Prairie Provinces.

INTRODUCTION

The Prairie Farm Rehabilitation Act was passed by the Parliament of Canada in 1935 to provide for the rehabilitation of drought and soil-drifting areas of Manitoba, Saskatchewan and Alberta. In 1937 the Act was amended to include land utilization and resettlement, and by further amendment in 1939 it was extended to remain in force indefinitely.

As originally conceived, assistance under the Act concerned mainly activities in conservation and reclamation of land and water resources throughout the southern plains area of the Prairie Provinces. In more recent years, however, P.F.R.A. has also been made responsible for the development of large-scale irrigation and reclamation projects in Western Canada. In 1961, the boundaries of P.F.R.A. were extended to provide assistance in soil and water conservation to all agricultural areas within the Prairie Provinces.

In the latter part of 1962, P.F.R.A. was assigned administration and technical responsibilities for the implementation of the Agricultural Rehabilitation and Development Act in the four western provinces.

The following report presents a review of activities carried out by the Prairie Farm Rehabilitation Administration for the year ended March 31, 1963.

The Land Use Service, for which the Deputy Director is directly responsible, is concerned mainly with the development and operation of the community pasture program.

The Engineering Services Branch is responsible for design, soil mechanics investigations, hydraulic, hydrology and air stream analysis and engineering geology studies, as well as all legal and engineering surveys required in the planning of P.F.R.A. projects. Field engineering services are carried out by the Branch through three regional offices at Regina, Calgary and Winnipeg.

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ORGANIZATION

The Prairie Farm Rehabilitation Act is administered by a Director with headquarters in Regina, who is responsible to the Deputy Minister of Agriculture in Ottawa. Other offices, ranging from regional headquarters to those for individual community pastures, are found at 104 locations in the Prairie Provinces.

In a major reorganization carried out in 1962, the former Agricultural Services Branch was replaced by two new services dealing with land use and water development. In addition, a Program Planning Division was established. These three units, together with the Administration Division and the Engineering Services Branch, now constitute the five main divisions of responsibility within the organization. To assist the Director in coordinating these programs as they apply under both P.F.R.A. and ARDA, a new position of Deputy Director of P.F.R.A. was also established.

The Administration Division consists of units providing financial, personnel, purchasing and office services, as well as an information service and a unit for the acquisition of land. A legal services unit attached to the Director's office is also closely associated with the activities of this Division.

The newly established Program Planning Division is responsible for planning and coordinating both P.F.R.A. and ARDA projects.

The Water Development Service is responsible for the investigation and construction of farm and community water-storage and irrigation projects, for operation of the prairie tree nurseries at Indian Head and Sutherland, transferred from the Research Branch to P.F.R.A. on April 1, 1963; and for irrigation works operated by P.F.R.A. in southwestern Saskatchewan and the Bow River development in Alberta. The operation of the Construction, Equipment and Supply Section is also the responsibility of this service.

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ADMINISTRATION DIVISION

The Administration Division is responsible for the administrative management of P.F.R.A. in accordance with the acts, regulations and policies under which the organization operates. The Division is composed of units responsible for personnel, finance, office services, purchasing, information services and land acquisition.

Personnel

The personnel unit provides a full range of staff management services, including processing appointments, maintaining establishment control and documenting promotions, leaves and employee benefits. P.F.R.A. employs about 1,200 full-time staff and, at the peak of the busy summer season, up to 600 seasonal and casual employees.

Finance

The finance unit prepares financial estimates, controls the budget, pays accounts, receives revenue, processes paylists, travel claims and construction contracts, and gives direction to field offices in accounting procedures and methods. In 1962-63, the budget exceeded \$32,600,000 and estimates of about \$32,000,000 were submitted for the 1963-64 fiscal year. Revenue, chiefly from community pasture operations and irrigation projects, totaled \$1,497,321 in 1962-63. A new undertaking during the year called for the establishment of financial procedures for, and the provision of accounting services to, the ARDA program in Western Canada.

Office Services

The office services unit provides headquarters' offices with central registry, reception, and mail and messenger services. For P.F.R.A. as a whole, it is responsible for the provision of office equipment and supplies, inventory services, administration of staff housing, and office accommodation. The unit also distributes plans and specifications for engineering contracts tendered by P.F.R.A.

Purchasing

The purchasing unit processed 126 formal tenders valued at \$884,000 during 1962-63. Items purchased included agricultural tractors and implements, industrial machinery, earth-moving equipment, construction materials, and motor vehicles of all kinds. This office also investigates and reports accidents involving P.F.R.A. vehicles and motorized equipment.

Information

The information unit provides both written and photographic material for interdepartmental and public use.

The unit distributes news and feature material over a wide area, using newspaper, magazine, radio and television outlets; prepares reports, brochures,

articles and publications for direct distribution to the public; and also contacts the public through displays at fairs and exhibitions.

During the fiscal year, over 100 press releases were prepared and distributed to the news media. Ten television films and scripts were produced and received wide coverage. Three radio tapes were sent to radio stations in the Prairie Provinces. In addition, 28 articles, many with pictures, were prepared for magazines and farm weeklies and two displays were constructed for use at Class A and B fairs in Manitoba, Saskatchewan and Alberta.

The photo section provides a full range of basic photographic services to all segments of P.F.R.A. and maintains complete files and cross references on all photographs. During the year, 4,100 photographs taken by the section were filed. In filling 1,205 requests for various services, the section produced close to 35,000 prints. Black-and-white movie footage shot and edited amounted to 9,100 feet.

Library services were extended to all P.F.R.A. offices, including eight field libraries affiliated with the main P.F.R.A. library in Regina. During 1962, the Regina library processed a total of 1,006 accessions, 910 of which were purchased, and circulated 157 periodicals to headquarters and field offices. About 60,000 brochures and pamphlets were sent out by the Regina office. In addition, about 40,000 more were distributed from district and regional offices, on the Class A and B fair circuits, and from the pavilion at the South Saskatchewan River damsite.

Land

The land unit is responsible for the appraisal of land required to be purchased or leased for P.F.R.A. undertakings. It also carries out negotiations for purchase or lease, and is responsible for the administrative control and management of lands acquired. Officers of this section work closely with the P.F.R.A. solicitor and his staff, and with the operational services of P.F.R.A. who have land requirements. Frequent contact is also maintained with provincial authorities in the Prairie Provinces, and with other public and private agencies.

As of March 31, 1963, the P.F.R.A. land inventory was as follows:

| | <u>Acquired 1962-63</u> | <u>Total Administered</u> |
|--|-------------------------|---------------------------|
| <u>Water Conservation & Reclamation Projects</u> | | |
| Saskatchewan | 372 | 29,663 |
| Manitoba | 63 | 2,244 |
| <u>Community Pastures</u> | | |
| Saskatchewan | 816 | 1,615,243 |
| Manitoba | | 305,564 |
| Alberta | | 142,120 |

| <u>Major Irrigation Projects</u> | <u>Acquired 1962-63</u> | <u>Total Administered</u> |
|----------------------------------|-------------------------|---------------------------|
| St. Mary | | 13,606 |
| Bow River | | 108,842 |
| South Saskatchewan River | 2,991 | 65,049 |
| <u>Minor Irrigation Projects</u> | | |
| Swift Current | 45 | 15,205 |
| Maple Creek | | 11,412 |
| Val Marie | | 16,450 |
| TOTAL | 4,287 | 2,325,398 |

WATER DEVELOPMENT SERVICE

The construction of individual farm, community and large water-storage and irrigation projects has continued to be one of the basic aims of P.F.R.A. since the Act was passed in 1935. Engineering and financial assistance is provided by the federal government for the promotion of this program in areas where special needs exist.

Due to below-normal runoff in all but a few scattered areas of the prairies, a heavy program of water development was carried out during 1962-63.

Farm and Community Projects

Water development at the individual farmer and neighbor levels accounts for most of the projects built under this program. These works fall into three main categories: dugouts, stock watering dams, and small irrigation projects. Under the terms of the legislation, the federal government pays about 50 percent of the cost of construction, and provides all agricultural and engineering services through P.F.R.A.



Melting snow arrested by farm shelterbelts during the winter provides the necessary water to fill many thousands of prairie dugouts each spring.

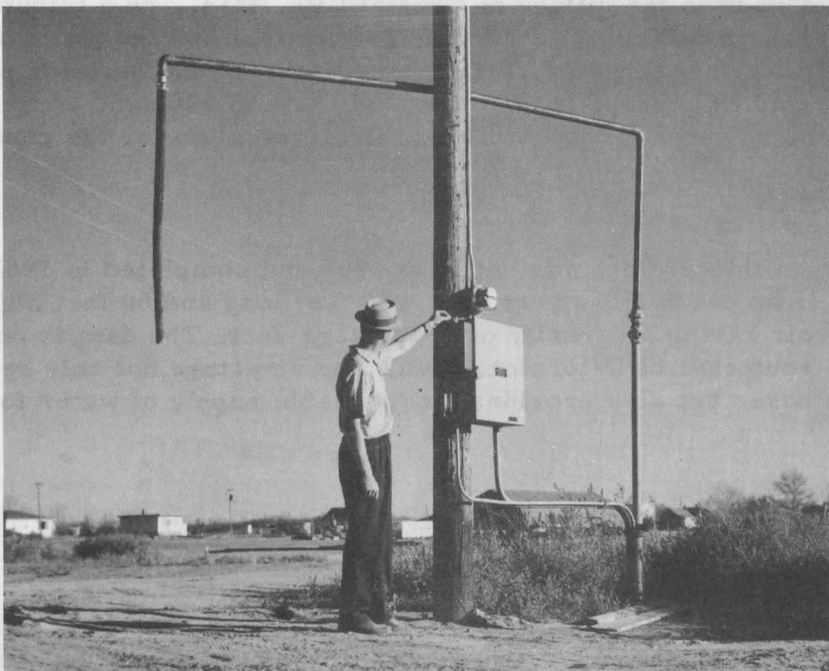
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On projects to serve entire communities, each request for assistance is evaluated on the basis of the agricultural benefits that the project will provide. Due to the size of the projects falling into this category, most of the cost is usually borne by P.F.R.A.



Abundant fodder crops are produced when subsoil moisture is augmented by holding spring runoff water on the fields.

Ref. No. 22817



Coin-operated community well constructed at Strongfield, Sask.

Ref. No. 23184

During the fiscal year, a total of 7,422 individual and neighbor projects were constructed in the Prairie Provinces. This figure includes 6,551 dugouts, 559 stock watering dams and 312 irrigation projects. By provinces, 4,446 projects were built in Saskatchewan, 1,914 in Alberta and 1,062 in Manitoba. The total number of projects built under this program since 1935 now stands at 86,072. Construction was also started on an additional 44 community projects during 1962.

Two emergency water-development programs begun during the extreme dry spell in 1961 were continued. One of these entailed pumping water into dugouts from supplies up to a mile away using 6-inch aluminum pipe and gas-powdered pumping units. Three hundred and ninety dugouts were replenished by this method during the year. The other emergency program continued is for the provision of municipal wells. Under this plan, costs are divided between the federal government and the provincial and municipal governments involved. This program has been well received and the development of 51 such wells was approved during 1962.

Large Water-development Projects

Large water-development projects are undertaken by P.F.R.A. in areas where special requirements exist. These projects are constructed under agreements between Canada and the provincial or local governments concerned, whereby P.F.R.A. builds the projects and then turns them over to other government bodies for operation. Following is a brief description of the projects on which construction was either begun or completed during 1962-63.

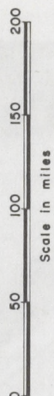
Crystal City Dam

This dam is in the village of Crystal City, Man., on a tributary of the Pembina River. The total length of the dam is just over 300 feet, and it is capable of impounding 120 acre-feet of water. It is a concrete-pier and stop-log structure with earth fills protected by riprap. It was completed late in 1962 and serves the dual purpose of providing water for livestock and fire protection for the community.

Deloraine Dam

Work on this project was begun in 1961 and completed in 1962. The Deloraine Dam is an earth-fill structure 1,000 feet long and 50 feet high, which impounds a reservoir having a capacity of 1,400 acre-feet. The dam is on Turtlehead Creek, 5 miles southeast of Deloraine, Man. The structure not only serves agricultural purposes but also provides a dependable supply of water for the town.

MARCH 31, 1963



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STATIONARY PLANT

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...individual and neighbor projects ... 559 ... 4,448 projects were ... total number of ... construction was ... 1962.

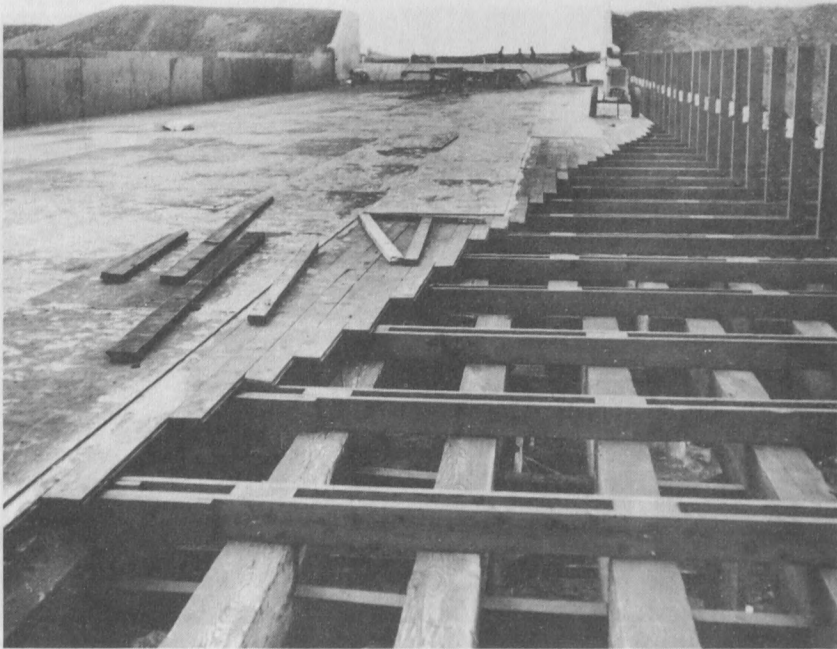
General Projects

... constructed by P.F.R.A. in areas ... constructed under agreements ... P.F.R.A. ... other government bodies for operation, ... construction was either begun

... on a tributary of the ... 300 feet, and it is capable of ... and steel log structure with ... 1962 and serves the dual ... protection for the community.

... completed in 1962. The ... 50 feet high, which im- ... The dam is on Turtlehead ... not only serves ... of water for the town.





Timber-chute spillway under construction, Deloraine Dam, Man.

Ref. No. 52155-8

Elie Dam (LaSalle River Project)

The Elie Dam is a sloping-slab, stop-log structure built during 1962. It is the farthest upstream of eight dams along a 70-mile stretch of the LaSalle River. The ponds created by these dams provide water for agricultural and domestic purposes in an area where the stream normally dries up during the summer.

Stephenfield Dam

The Stephenfield Dam, when completed, will hold 3,600 acre-feet of water and cover an area of about 400 acres. It is in the Valley of the Boyne River, 15 miles upstream from Carman, Man., in an area where there has been a chronic shortage of water for livestock and domestic use. Work began in 1962 on the 2,100-foot-long embankment but was not completed by the end of the fiscal year.

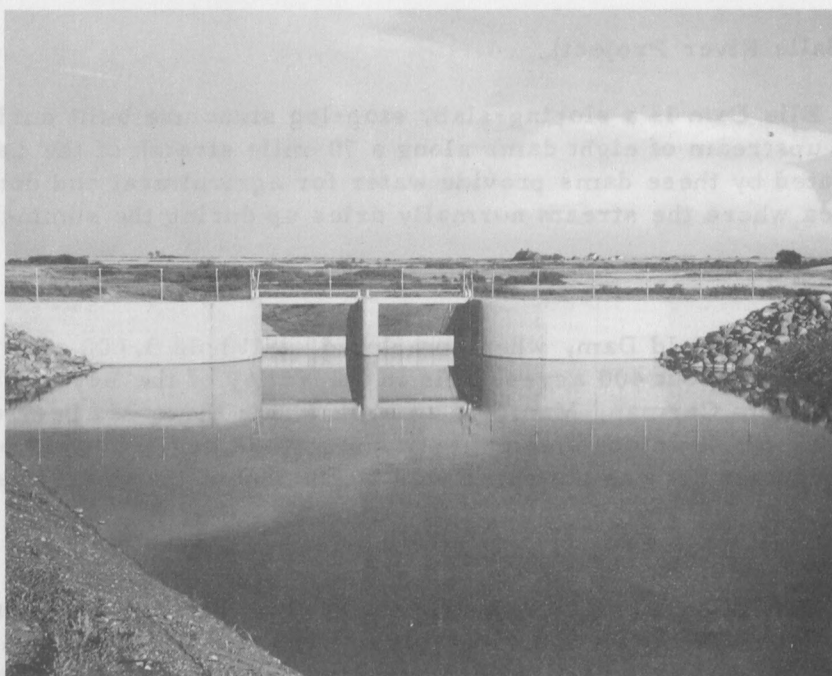
Craik Community Storage Project

The Craik Community Project is on the Arm River 1 mile northeast of the town of Craik, Sask. The project consists of an earth-fill dam with a maximum height of 31 feet, a drop-inlet spillway, a riparian outlet, and an emergency spillway. The reservoir has a capacity of 5,000 acre-feet of water for stock watering and irrigation. It was constructed in 1962 for the Rural Municipality of Craik.



The Craik Community Project provides storage for 5,000 acre-feet of water for stock watering and irrigation.

Ref. No. 23424

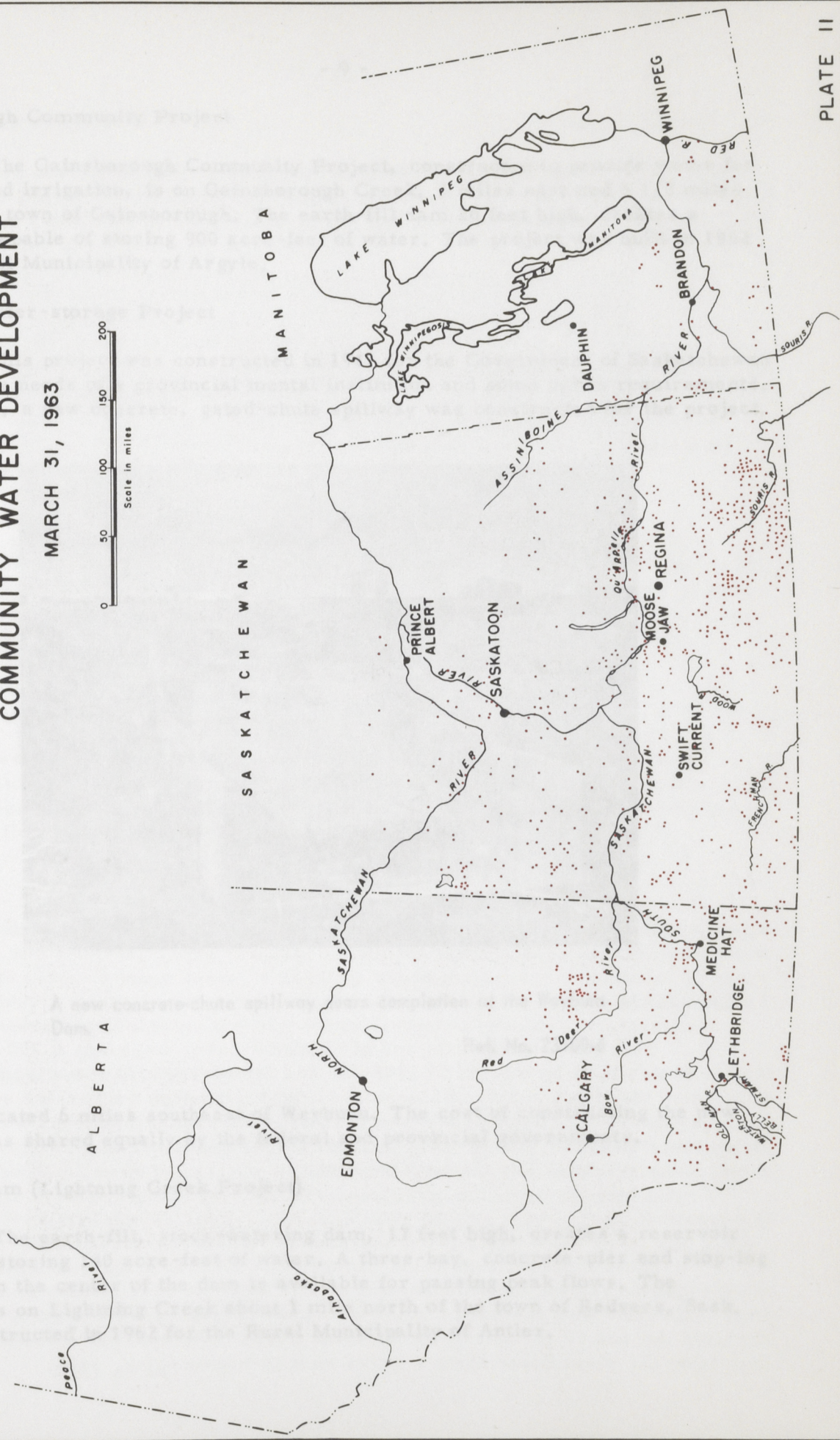
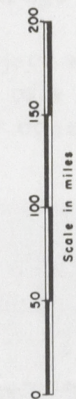


In the extreme southeast corner of Saskatchewan water for agricultural uses is placid behind the gated-chute spillway at the Gainsborough Dam.

Ref. No. 23884

COMMUNITY WATER DEVELOPMENT

MARCH 31, 1963



COMMUNITY WATER DEVELOPMENT

100' 10' 10' 10'

100' 10' 10' 10'

The Clark County Water Agency provides storage for 3,000 acre-
feet of water for flood control and irrigation.

Ref. No. 23474

In the current southeast corner of Emburytown water for
agricultural uses is placed behind the gatehouse at the
Cainborough Dam.

Ref. No. 23574

Gainsborough Community Project

The Gainsborough Community Project, constructed to provide water for livestock and irrigation, is on Gainsborough Creek, 3 miles east and 5 1/2 miles south of the town of Gainsborough. The earth-fill dam 26 feet high, creates a reservoir capable of storing 900 acre-feet of water. The project was built in 1962 for the Rural Municipality of Argyle.

Weyburn Water-storage Project

This project was constructed in 1941 for the Government of Saskatchewan to supply the needs of a provincial mental institution and some urban requirements. During 1962, a new concrete, gated-chute spillway was constructed for the project,



A new concrete-chute spillway nears completion at the Weyburn Dam.

Ref. No. 23109-6

which is located 6 miles southeast of Weyburn. The cost of constructing the new spillway was shared equally by the federal and provincial governments.

Redvers Dam (Lightning Creek Project)

The earth-fill, stock-watering dam, 17 feet high, creates a reservoir capable of storing 140 acre-feet of water. A three-bay, concrete-pier and stop-log structure in the center of the dam is available for passing peak flows. The structure is on Lightning Creek about 1 mile north of the town of Redvers, Sask. It was constructed in 1962 for the Rural Municipality of Antler.

West Poplar Project

This project was begun in 1961 and completed in 1962. The dam creates a reservoir with a storage capacity of 1,000 acre-feet of water, which will be used for irrigation and stock watering. The dam, on a branch of the West Poplar River 12



Early construction activity on the West Poplar Project built for the Province of Saskatchewan.

Ref. No. 23092-12

miles southwest of Wood Mountain, was constructed for the Province of Saskatchewan.

Kettlehut Lake Dam

This dam, on the east end of Kettlehut Lake, impounds 8,200 acre-feet of water. It was built by Canada in 1948-49, and for several years during the 1950's augmented the water supply of Moose Jaw, Sask., through a diversion system. This year, however, it became necessary to replace the existing spillway which had fallen into disrepair, and on completion of the structure it was turned over to the Rural Municipality of Enfield for operation.

Summercove Dam

Initial construction of the Summercove Dam took place in 1949. In 1962 work began on raising the embankment by 2 feet and on construction of a new spillway. This work was suspended following winter freeze-up with about 60 percent of the main fill and 30 percent of the concrete work on the spillway completed. The dam is on the Wood River about 4 miles west of Summercove, Sask.

Avonlea Creek Project

A 38-foot-high dam, creating a reservoir with a 6,000-acre-foot capacity, is being built 2 miles southeast of the town of Avonlea, Sask. Fencing and reservoir clearing was all that was accomplished in the fall of 1962. When completed, it will provide water for stock watering and irrigation.

Theodore Dam

Clearing the reservoir area and fencing the construction site left everything in readiness for construction of the Theodore Dam, which is scheduled for completion in 1963. This project will consist of an earth-fill dam 45 feet high, a riparian outlet pipe and a concrete-chute spillway. The reservoir will have a capacity of 12,000 acre-feet and will supply water for agricultural uses along the Whitesand River between the dam and Canora, Sask.

Carolside Dam (Berry Creek Project)

Excavation for a new spillway at the Carolside Dam near Carolside, Alta., commenced in the fall of 1962, and concrete was poured in November. The project was halted in midwinter, due to cold weather, and will be completed in 1963. Completion of construction will allow for storage of 30,000 acre-feet of water for irrigation of 10,000 acres of land.

Technical Assistance

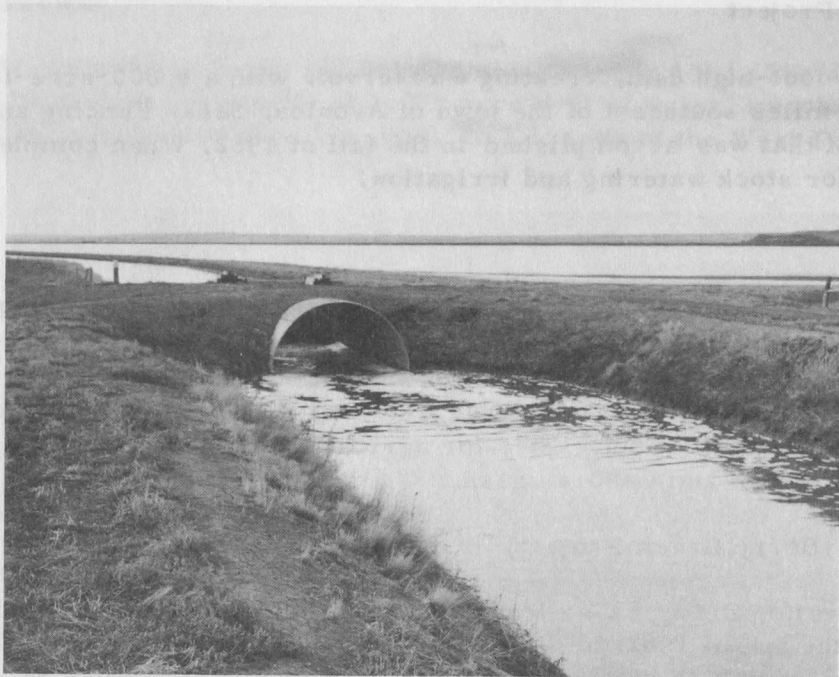
In addition to providing financial assistance for farm and community projects, agricultural and engineering field services were supplied free by the Water Development Service in 1962-63. These included 18,690 calls covering preliminary and final inspections, investigations and field surveys.

Irrigation Projects

Canada is responsible for the operation of irrigation projects in Saskatchewan and Alberta. These projects were developed to help rehabilitate farmers whose land, in many cases, was taken out of production and placed in community pastures. Six small projects are operated in southwest Saskatchewan, and the federal government operates the Bow River Irrigation Project in Alberta.

Southwest Saskatchewan Projects

The six projects in Saskatchewan are at Val Marie, West Val Marie, Consul, Eastend, Maple Creek and Swift Current. Over 38,000 acres of irrigable land in these projects have been made available to farmers and ranchers in surrounding districts for the production of livestock feed. About 35,000 acres of this land was irrigated during 1962, producing over 40,000 tons of hay for some 600 farmers using the projects and making it possible to maintain close to 50,000 head of livestock in the areas.



A wide expanse of water covers a hay field near Rush Lake on the Swift Current irrigation project. The main canal is in the foreground.

Ref. No. 22819

Bow River Project

The Bow River Irrigation Project in southern Alberta lies between the Bow River and the Oldman River west of Medicine Hat. There are 240,000 irrigable acres in the project, as follows:

| | |
|--------------------------------------|--------------|
| West Block | 25,000 acres |
| Central Block | |
| Vauxhall | 63,000 |
| Hays | 27,000 |
| East Block | 120,000 |
| Blackfoot Indian Irrigation District | <u>5,000</u> |
| Total irrigable acreage | 240,000 |

The Central Block of the project is owned by Canada, having been purchased along with existing irrigation works to provide suitable land on which to settle farmers moved from other areas of the prairies. P.F.R.A. is responsible for the entire irrigation operation in this block, which consists of 90,000 acres.

The West Block includes the 25,000-acre Alberta Bow River Development controlled by the Province of Alberta, and the Blackfoot Indian Irrigation District of 5,000 acres operated by the Indians. Water for these two projects is supplied by Canada through its extensive system of canals, reservoirs and structures, which serve the entire area.

Alberta also owns the East Block, as yet undeveloped for irrigation. This is the area north of the Bow and South Saskatchewan rivers extending from the eastern edge of the Central Block to Medicine Hat.

Straightening and protection of main and lateral canals was continued in various parts of the system to reduce erosion of canal banks. In the Hays area, nine concrete drop structures were built for this purpose.

Improvement of drainage was another prime target during 1962-63. In the Vauxhall area construction of a drainage network continued; 78 concrete drops were built and 152 culverts were installed. In the Hays drainage area, P.F.R.A. placed 9,000 feet of new drains, 12 drainage inlets and provided one drainage well.

To expand the pasture acreage in the Hays area, a 25-hp. pump was operated to pump water for an additional 400 acres of pasture. Another 300 acres of land was leveled and an access road to this area was constructed.

A new hoist system was installed on the head gates at the Carseland diversion works to facilitate placing and removing stop logs. At the Travers Dam, the diversion culvert was filled with concrete.

A seepage problem on the main canal near Queenstown was rectified with the installation of a tile line.

During the crop season from April to October, 8.33 inches of precipitation was recorded at Vauxhall and 7.40 inches at Hays. Water delivered from the Little Bow Reservoir to the project amounted to 194,741 acre-feet, or a decline from the previous year of almost 37,000 acre-feet. Due to the depletion of water reserves in 1961-62, over 200,000 acre-feet of water had to be diverted from the Bow River in 1962-63. As a result, enough water was in storage at the end of the fiscal year to provide one season of irrigation without further diversion.

A program to control weeds on the canal banks, which has been carried on for several years, appeared to be paying dividends as the banks were almost free of weeds. Success in the control of aquatic weeds was experienced, also, with the use of Aqualin. Eight hundred gallons of the chemical was used on 25 miles of canals and laterals. Control of emergent water weeds, such as cattails and tules, was poor as a result of too much water in the drains.

Pastures operated at Hays and Vauxhall consisted of 2,800 acres of irrigated land and 4,100 acres of dry land. These areas carried 1,810 cattle and 2,000 sheep for 133 days.

An artificial-insemination program was started in the Hays pasture during the 1962 grazing season. About 600 cows were serviced during a 45-day period at an average cost of \$11 per head.



Large herds are grazed annually in this irrigated community pasture on the Bow River Irrigation Project.

Ref. No. 23051

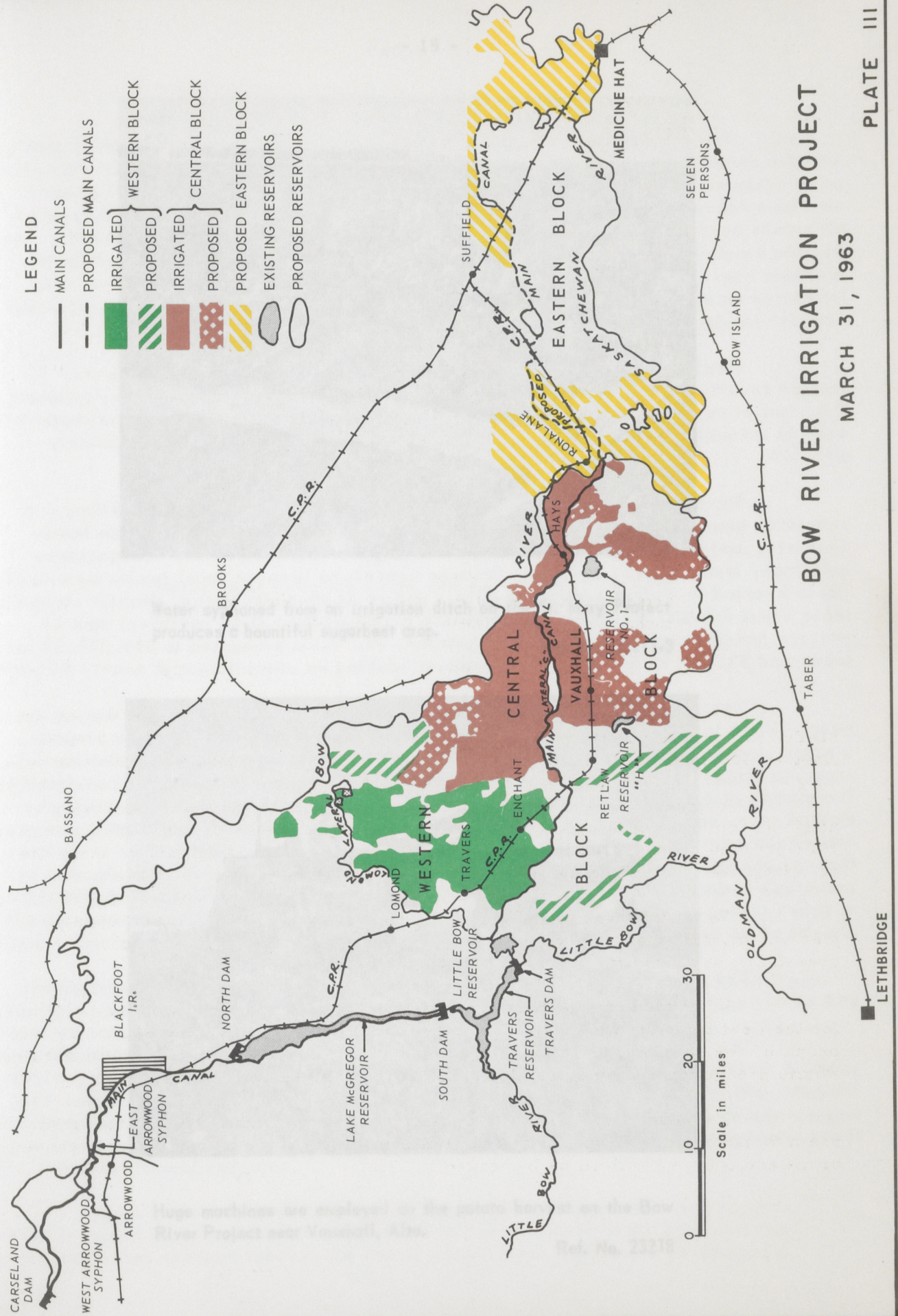
At the request of the Research Branch, 41 acres of newly leveled land was seeded to Cypress wheat for multiplication purposes. The yield was 1,559 bushels. Another 400 acres were seeded to oats before seeding to permanent grass next year.

In general, yields of cereal crops and hay were above average. This is attributed to heavy fall irrigation in 1961 together with heavy use of water during the 1962 growing season. Better preparation of land and extension of land leveling have also improved the efficiency of irrigation.

Cattle feeding has shown a marked increase due to a plentiful supply of feed and the carryover of calves from 1961. Hog production has shown a slight increase due to a plentiful supply of oats and barley.

A limited acreage of sugar beets were grown by farmers on the project for the first time and were hauled to Taber for processing. Canning peas were also produced for shipment to Taber. Both of these crops were grown in small quantities. Potato production remained stable, 3,000 acres being grown for table use.

Cropping practices in the district are changing slowly from production of grain to hay and row crops. It is expected that the acreages in sugar beets, canning crops and potatoes will all be increased in 1963.





Water syphoned from an irrigation ditch on the St. Mary Project produces a bountiful sugarbeet crop.

Ref. No. 23111-3



Huge machines are employed on the potato harvest on the Bow River Project near Vauxhall, Alta.

Ref. No. 23218

Project Maintenance and Construction

The Construction, Equipment and Supply Section acts as an operational service center to other divisions of P.F.R.A. These services include the operation of an equipment, supply and repair depot at Moose Jaw; and the provision of field services required in the construction and maintenance of P.F.R.A. projects where these are needed to supplement services usually provided by local contractors. The Section employs a regular staff of 79 skilled tradesmen, field construction crews, machine operators and office personnel, along with casual help as required. The inventory on all P.F.R.A. equipment, which is maintained by the Section, contains approximately 6,500 items and is valued at over \$4,500,000.

During 1962 the shop program included 219 repair jobs on vehicles, 75 trailer repairs and renovations, and repairs to 365 pieces of mechanical equipment. The cost of repairs, not including labor, was \$110,220.96 and the value of materials used in manufacturing equipment, forms and water troughs, was approximately \$44,000.

Part of the shop staff were also employed during the year installing and servicing plumbing, heating and electrical facilities at community-pasture headquarters, and a crew was established and equipped to paint pasture headquarters buildings. Both of these activities became necessary because local businesses were not interested in undertaking work of this nature at rural locations, usually some distance from established towns. The service crews worked at 62 pastures, and 13 pasture headquarters buildings were painted. The costs amounted to \$15,223.92 for labor and \$3,722.86 for paint and supplies, making an overall cost of nearly \$39,000.

The Maintenance and Construction Section worked on 119 jobs during the year. These included the completion of a large community water-storage project, placing plastic lining in a large irrigation canal, relining a reservoir outlet conduit, cleaning irrigation ditches, replacing timber and concrete structures and maintaining fireguards in community pastures. Some jobs involved several thousand dollars' expenditure, and included the use of equipment and personnel of local contractors: other jobs were minor in dollar value, but required special equipment or techniques that the Section could provide. Transportation of nearly 4,400 tons of equipment and materials to locations throughout the Prairie Provinces required over 151,000 miles of truck travel and the Section continued to maintain a system of cost records on all phases of its operation.

The Stores Section handled construction materials, supplies, equipment and repair parts amounting to over \$428,000.

The Fire Prevention and Safety Program was continued throughout the year. A first aid course was arranged for foremen and field personnel, and periodic lectures and films relating to safety measures were sponsored whenever there was an opportunity. The good fire prevention and safety record indicates the merit of these endeavors.



Plastic sheet lining has proven effective in reducing seepage from canals on the Swift Current Irrigation Project.

Ref. No. 23361-3

Predevelopment Farm

The Predevelopment Farm is operated independently of the construction of the South Saskatchewan River Project, and is intended to provide information related to irrigation and other agricultural developments which will take place in the area when water from the reservoir is available.

The farm was established in 1949, and many of the crop and water-use records cover a 12-year period. Basically, the farm has followed a 10-year crop-rotation pattern, with new varieties of forage and cereal crops introduced when they might provide useful information.

Field corn and sunflowers were grown for the first time in 1962 with considerable success, while fewer potatoes were grown. Crop yields were similar to those for other years except for potatoes, which have had an inconsistent record and were below normal in 1962.

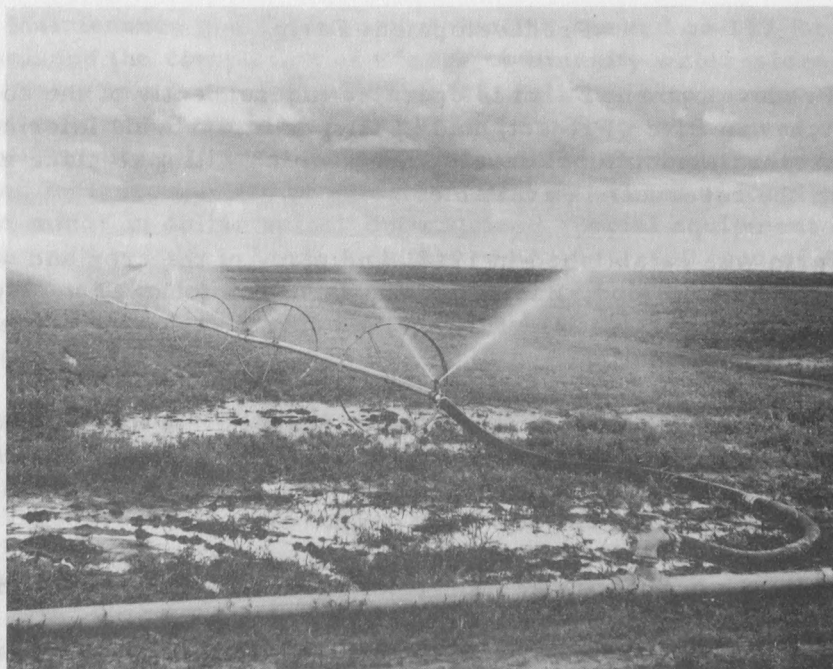
Mechanical grazing was continued for the third year and added further information on the possibilities of growing a limited acreage of high-value forage crops on an irrigated farm. Production from 10.7 acres of alfalfa and grass mixture was 914.8 pounds of beef per acre.

With increased precipitation during the year, the amount of irrigation water required was considerably reduced, while labor costs in the application of water were also reduced through the use of wheel-move sprinklers on 48 acres.



Flood irrigating a field of oats on the Predevelopment Farm near Outlook, Sask.

Ref. No. 22951



Wheel-type sprinkler irrigation system being tested for use at the Predevelopment Farm, Outlook, Sask.

Ref. No. 23111-5

LAND USE SERVICE

The conversion of submarginal land from cereal crop production to pasture was early recognized to be one of the necessary adjustments in land use in the drier areas of the Prairie Provinces. Thus in 1937, two years after the Prairie Farm Rehabilitation Act was passed, an amendment provided for the removal of submarginal land from cereal production and seeding it to grass for pasture. It also provided for moving farmers from problem areas to more suitable regions where a reasonable standard of living could be realized. For further information on the re-settlement of farmers from submarginal areas, see the section of this report entitled "Irrigation" under the main topic heading "Water Development Service."



Farmer delivering cattle for summer grazing in Foam Lake Community Pasture in northeastern Saskatchewan.

Ref. No. 23640

The community-pasture program has grown steadily since the first land unsuitable for cultivation was fenced, seeded to grass and otherwise developed for pasture. In 1962 P.F.R.A. operated 72 pastures embracing 2,109,700 acres of land. These units are divided into six supervisory districts with offices at Regina, Brandon, Swift Current, Kindersley, Saskatoon and Weyburn. During the year, 7,342 farmers and stockmen grazed 138,643 head of cattle, 753 horses and 2,735 sheep in the pastures.

Pasture Operations

In contrast to 1961, when severe drought left most pastures with low water reserves and subnormal grass cover, the condition of pastures at the close of the 1962 grazing season was generally good. This was due mainly to adequate rainfall during the summer. About 6,000 fewer cattle were admitted to the pastures since the drought in 1961 considerably reduced the grass carryover in many pastures.

Three new pastures went into operation in 1962. The Gardenton pasture in the extreme southern part of Manitoba carried 852 head of livestock, and the Wallace pasture near Virden, Man., handled 741 cattle. The Valeport Flats near Craven, Sask., was also pressed into service as a bona fide pasture, after having served the previous year as a holding area where cattle were fed a ration of screenings pellets.



In good shape following a summer of grazing on the Suffield Community Pasture in Alberta, these animals have been rounded up and sorted into pens.

Ref. No. 24445

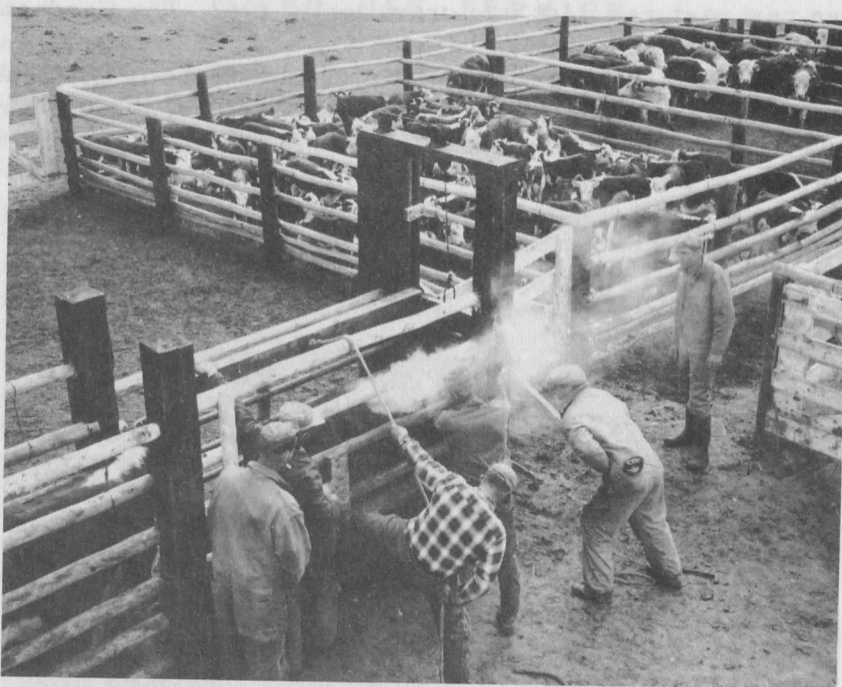
Two new pastures were developed during 1962, both in Saskatchewan. They are the 10,400-acre Foam Lake pasture south of Margo and the Kelvington pasture, north of Kelvington, which contains 8,160 acres. Both will go into operation in 1963. Construction was begun on a third pasture in the Spiritwood area of northern Saskatchewan. Eight other such grazing areas have been approved for construction in 1963, three in Saskatchewan and five in Manitoba.

Pasture Services

Taking into consideration such factors as grass carry-over, soil moisture and available stock water, P.F.R.A. each year establishes the carrying capacity of the various pastures. Using this figure as a guide, the maximum number of stock per patron is established for the next grazing season.

Haying and Regrassing

About 5,450 tons of hay and green feed were harvested on community pastures by managers with help from adjacent farmers, who put up hay on a share basis. This fodder is used to feed pasture bulls and headquarters stock.



A full range of services are provided at P.F.R.A. Community Pastures. Here an animal is being branded at the Laurier Pasture in Saskatchewan.

Ref. No. 23601

A total of 3,413 acres were regrassed, 400 acres being sown to crested wheatgrass, 855 acres to brome grass and crested wheatgrass mixtures, and 2,185 acres to other mixtures.

Fires and Fire Protection

More favorable weather conditions in 1962 reduced the fire hazard in community pastures over that of the previous year. A few small fires were caused by lightning, but these were quickly controlled and losses were negligible.

Motorized units working out of Moose Jaw maintained 1,169.5 miles of fireguards and constructed 67.5 miles of roads that serve as fireguards in 31 pastures.

Fireguarding using chemicals rather than more conventional methods was attempted in P.F.R.A. community pastures for the first time in 1962 on a trial basis. About 80 miles of fireguards were sprayed with simazine and another 80 miles with the chemical Telvar. A similar area will be sprayed during 1963.

Grasshopper Control

In a program to control grasshoppers, 20 pastures consisting of 15,873 acres, were sprayed with the insecticide carbaryl. Spraying was carried out both on the ground and from the air.

COMMUNITY PASTURES - MARCH 31, 1963

71 OPERATING PASTURES

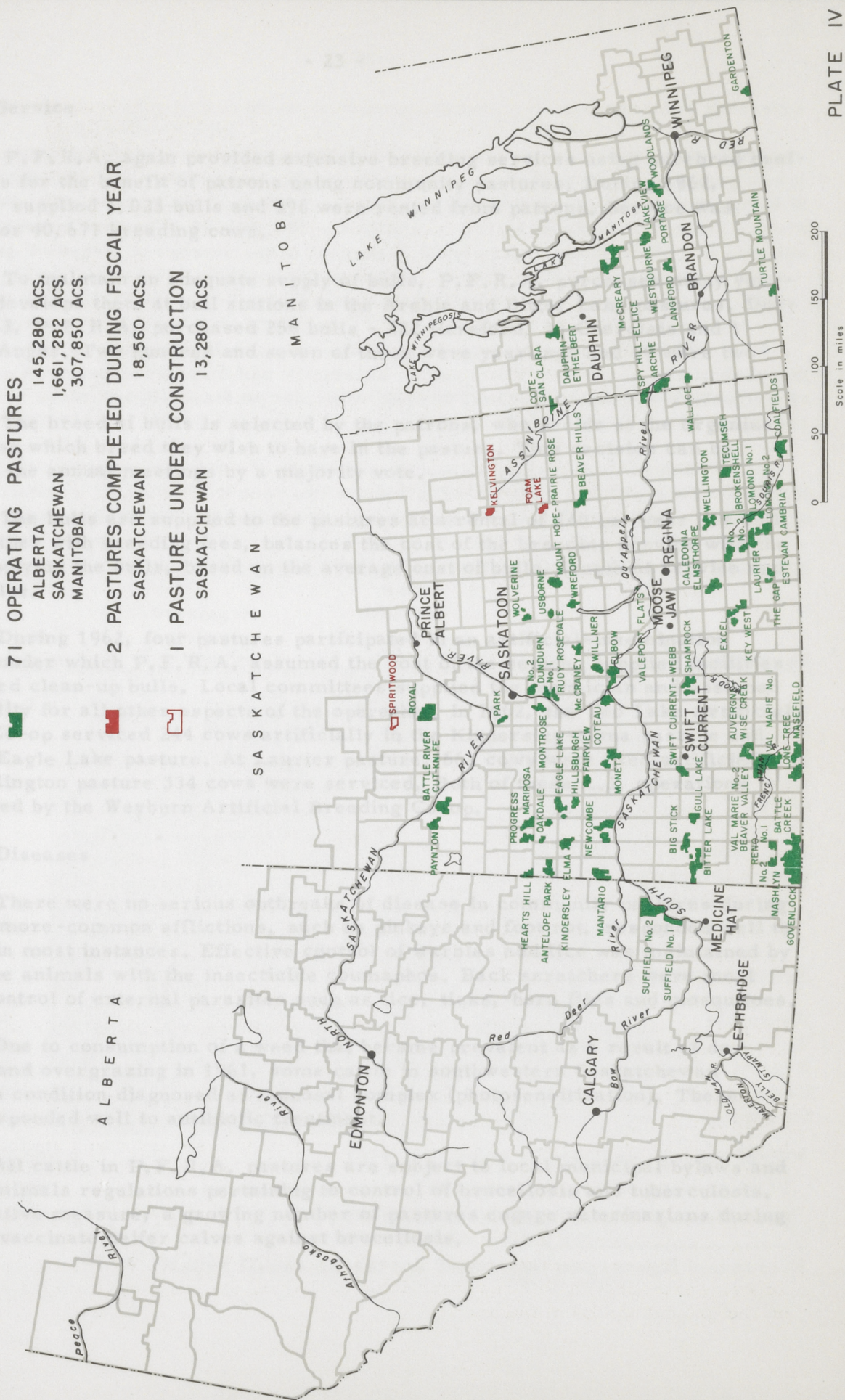
ALBERTA 145,280 ACS.
SASKATCHEWAN 1,661,282 ACS.
MANITOBA 307,850 ACS.

2 PASTURES COMPLETED DURING FISCAL YEAR

SASKATCHEWAN 18,560 ACS.

1 PASTURE UNDER CONSTRUCTION

SASKATCHEWAN 13,280 ACS.



Breeding Service

P.F.R.A. again provided extensive breeding services using purebred beef-breed bulls for the benefit of patrons using community pastures. During 1962, P.F.R.A. supplied 1,023 bulls and 396 were rented from patrons. Service was provided for 40,671 breeding cows.

To maintain an adequate supply of bulls, P.F.R.A. purchases many yearlings and develops them at bull stations in the Archie and Bitter Lake pastures. During 1962-63, P.F.R.A. purchased 256 bulls - 222 Hereford, 33 Charolais and 1 Aberdeen Angus. Two hundred and seven of these were yearlings and 49 were two-year olds.

The breed of bulls is selected by the patrons, who decide at the organization meeting which breed they wish to have in the pasture. This decision can be changed at the annual meetings by a majority vote.

The bulls are supplied to the pastures at a rental of \$40 per year per bull. This, together with breeding fees, balances the cost of the breeding service with the cost of supplying the bulls, based on the average cost of bulls, length of service and salvage value.

During 1962, four pastures participated in an artificial-insemination program, under which P.F.R.A. assumed the cost of the semen, supplied facilities and provided clean-up bulls. Local committees supplied the technician and assumed responsibility for all other aspects of the operation. In 1962, the Teo Lake Artificial Breeding Co-op serviced 244 cows artificially in the Kindersley-Elma pasture and 283 in the Eagle Lake pasture. At Laurier pasture, 661 cows were bred artificially, and at Wellington pasture 334 cows were serviced. Both of these A.I. operations were handled by the Weyburn Artificial Breeding Co-op.

Livestock Diseases

There were no serious outbreaks of disease in community pastures during 1962. The more-common afflictions, such as pinkeye and foot rot, responded well to treatment in most instances. Effective control of warbles and lice was maintained by spraying the animals with the insecticide coumaphos. Back scratchers were most useful in control of external parasites such as lice, ticks, horn flies and mosquitoes.

Due to consumption of a weed that became prevalent as a result of dry conditions and overgrazing in 1961, some cattle in southwestern Saskatchewan developed a condition diagnosed as mucosal complex (photosensitization). These animals responded well to antibiotic treatment.

All cattle in P.F.R.A. pastures are subject to local municipal bylaws and Health of Animals regulations pertaining to control of brucellosis and tuberculosis. As a protective measure, a growing number of pastures engage veterinarians during roundup to vaccinate heifer calves against brucellosis.

Livestock Insurance

Mutual insurance schemes, covering varying percentages of losses depending on premiums paid, were carried by 42 pastures. Of a total of 793 casualties in all pastures, 460 were covered by insurance. The accumulated surplus of the mutual insurance funds at March 1, 1963, was \$64,294.58. The total losses of animals in 1962 averaged just over 0.5 percent of the number of livestock pastured.

Pasture Construction

Nine construction crews and four water-development crews were involved in construction of the new Foam Lake, Kelvington and Spiritwood pastures and in other pasture development. Part of their work was to fence 33,440 acres of land, requiring 181.5 miles of fence.

The following table shows the activities of the various crews. Under the heading "Water Development," not all work was done by P.F.R.A. crews, as some construction requiring heavy equipment was contracted to private concerns.

Summary of Pasture Construction Activities - 1962-63 Season

| Particulars | New projects completed in 1962 | Repair work completed in 1962 | Total to March 31, 1963 |
|---|--------------------------------|-------------------------------|-------------------------|
| Fencing (miles) | 181.5 | 23 | 5,048.5 |
| Corrals | 3 | 6 | 174 |
| Pasture-managers' dwellings | 1 | 9 | 64 |
| Riders' cabins | 1 | 1 | 36 |
| Barns | 1 | 3 | 64 |
| Garages | - | 4 | 64 |
| Bull sheds | 1 | 3 | 61 |
| Others (granaries, oil sheds, chicken coops, pump houses, etc.) | 6 | 3 | 194 |
| <u>Water development</u> | | | |
| Windmills | 25 | 6 | 507 |
| Wells | 35 | 71 | 474 |
| Dugouts | 54 | 72 | 847 |
| Dams | 2 | 2 | 286 |
| Springs | 4 | 2 | 216 |

*Total acreage enclosed at March 31, 1962 2,099,532

Total acreage enclosed during 1962 construction season 33,440

Total acreage enclosed at March 31, 1963 2,132,972

*Corrected figure from that stated in 1961-62 Annual Report.

Pasture Improvement

Pasture-improvement work during 1962-63 included mainly activities in the field of irrigation development, regrassing, land clearing and brush control. Other work consisted of development of stock-watering facilities, fireguarding and irrigation surveys.

Flood irrigation schemes embracing 1,150 acres of land were completed during the year in the Masfield and Wellington pastures. A start was also made on the development of a 150-acre, border-dyke, gravity system of irrigation in the Govenlock pasture.

Forage production on areas set aside in pasture irrigation projects for haying amounted to 1,300 tons.

Forage seeding of 1,400 acres on various flood irrigation schemes was undertaken in the Battle Creek, Reno No. 1 and Bitter Lake pastures. Regrassing of 1,900 acres of reclaimed farmland was completed in the Masfield, Swift Current-Webb, Eagle Lake, Kindersley, Monet and Progress pastures. Cultivation for re-grassing was also completed on 500 acres of land in the Bitter Lake and Beaver Hills pastures.



This steel ball is 4 feet in diameter and weighs 4 tons. It is one of the key components in equipment used for clearing brush by the ball and chain method.

Ref. No. 23503



Vast areas can be cleared quickly using the ball and chain method perfected by P.F.R.A.

Ref. No. 23507

Chemical spraying for the control of western snowberry in the Coalfields, Mariposa and Rudy-Rosedale pastures covered 1,700 acres; and spraying for the control of poplar growth was carried out in the Cote-San Clara and Battle River-Cutknife pastures.

Land clearing by the ball and chain method was carried out during February and March, when 6,700 acres were cleared. This work was done in the Beaver Hills, McCreary, Cote-San Clara, Dauphin-Ethelbert and Langford pastures at an average cost of \$2.10 per acre. It will be followed by brush burning and herbicidal spraying two years after the clearing operation.

ENGINEERING SERVICES BRANCH

The Engineering Services Branch continued to provide the engineering required for the investigation, planning, design and construction of P.F.R.A. projects. In addition, services were performed for the International Joint Commission, the Prairie Provinces Water Board and the Greater Winnipeg Floodway Advisory Board.

A considerable part of the engineering work performed in all divisions was centered on the design and construction of the South Saskatchewan River Project and the St. Mary Irrigation Project, where activities are continuing according to schedule.

Regional engineering offices in Manitoba, Saskatchewan and Alberta, provided the services required in connection with the investigation, planning and construction of works under the P.F.R.A.'s water-development program.

Design Division

As has been the case for several years, the main activity of the Design Division was related to the planning, design, and preparation of specifications for contracts associated with the South Saskatchewan River Dam.

Plans and specifications were also completed for eight water-development projects on which contracts were eventually awarded. They are the Avonlea Dam, Carolside Spillway on the Berry Creek Project, Crystal City Project, Gainsborough Dam, Redvers Dam, Stephenfield Dam, Theodore Dam and repairs and improvements on the Summercove Dam.

Plans for renovations and repairs for two structures on the Bow River Project were also prepared, the work being carried out by P.F.R.A. forces.

Detail study proceeded on the Conjuging Creek Project and on the Esterhazy and Mossy River dams. Preliminary studies continued on the Shellmouth Dam, which is part of the Assiniboine River Project. In addition, elementary designs and preliminary cost estimates were prepared for the Pincher Creek Project, and the Plato, Wawota and Welwyn dams. Other studies involved the Coulter and Vanguard dams and the Dalroy Flume.

The hydraulic laboratory operated by the Design Division was used to capacity. Modeling work was completed on the Craik and Avonlea projects. Hydraulic model studies were also made on the forebay area of the South Saskatchewan River Dam spillway and of the spillway crest.

Drafting Section

Over 1,300 finished drawings were produced by the Drafting Section during the fiscal year, with print reproductions amounting to 328,000 square feet.



A technician gathers information on the performance of this hydraulic model simulating conditions to be encountered at the South Saskatchewan River Dam.

Ref. No. 22222

Close to half the man-hours involved in this work were expended on drawings associated with the South Saskatchewan River Dam. Besides preparing plans for other projects, significant assistance was rendered to other sections of P.F.R.A.

Air Photo Analysis and Engineering Geology Division

Geological mapping of excavations in the shale at the South Saskatchewan River Project continued to play a large part in the Division's activities. A report on the excavations for the control shafts was completed and the final report on the tunnels is nearing completion.

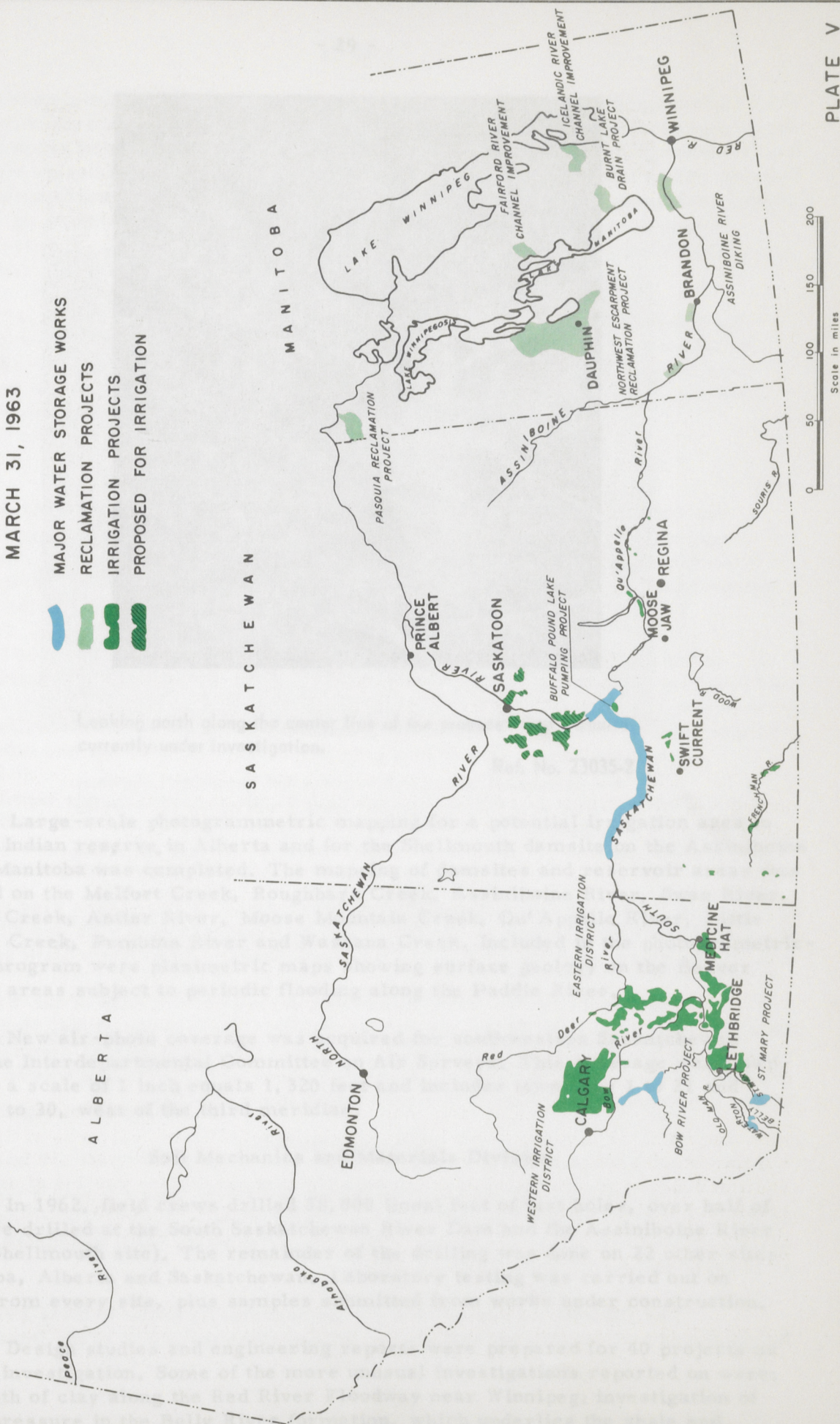
Engineering geology studies continued at The Gap damsite on the Oldman River and a preliminary geological report was submitted.

Air-photo studies were conducted to aid in the selection of possible dam-sites on Wolf, Bullpound, Threehills, Kneehills and Ghostpine creeks in Alberta. Similar studies were made on the Antler, Gainsborough, Moose Mountain, Broken-shell and Eaglehill creeks in Saskatchewan, and on the Valley and Long rivers in Manitoba. Included in the air-photo studies were searches for riprap materials for the Sarnia and Boxelder projects, and a study of irrigable areas along the Souris River from Oxbow to the Canada-United States boundary.

Detailed air-photo studies were completed to assist in the planning and construction of the Livingstone and Hazel Dell community pastures, while cursory studies were made for several ARDA community-pasture proposals.

MARCH 31, 1963

- MAJOR WATER STORAGE WORKS
RECLAMATION PROJECTS
IRRIGATION PROJECTS
PROPOSED FOR IRRIGATION





Looking north along the center line of the proposed Gap Damsite currently under investigation.

Ref. No. 23035-2

Large-scale photogrammetric mapping for a potential irrigation area in the Blood Indian reserve in Alberta and for the Shellmouth damsite on the Assiniboine River in Manitoba was completed. The mapping of damsites and reservoir areas was completed on the Melfort Creek, Roughbark Creek, Assiniboine River, Swan River, Penticton Creek, Antler River, Moose Mountain Creek, Qu'Appelle River, Little Pipestone Creek, Pembina River and Wascana Creek. Included in the photogrammetric-mapping program were planimetric maps showing surface geology on the Beaver River and areas subject to periodic flooding along the Paddle River.

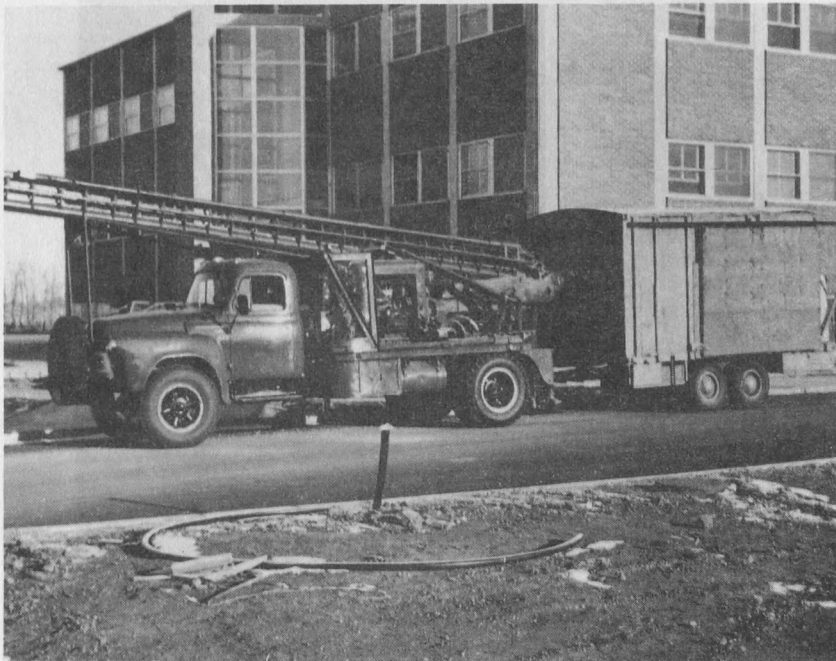
New air-photo coverage was acquired for southwestern Saskatchewan through the Interdepartmental Committee on Air Surveys. This coverage was flown in 1962 at a scale of 1 inch equals 1,320 feet and includes townships 1 to 21 and ranges 20 to 30, west of the third meridian.

Soil Mechanics and Materials Division

In 1962, field crews drilled 38,000 lineal feet of test holes, over half of which were drilled at the South Saskatchewan River Dam and the Assiniboine River Project (Shellmouth site). The remainder of the drilling was done on 22 other sites in Manitoba, Alberta and Saskatchewan. Laboratory testing was carried out on samples from every site, plus samples submitted from works under construction.

Design studies and engineering reports were prepared for 40 projects or phases of investigation. Some of the more unusual investigations reported on were: the strength of clay along the Red River Floodway near Winnipeg; investigation of artesian pressure in the Belly River formation, which underlies the shale and

riverbed sand at the South Saskatchewan River Dam; the suitability of anchor piles for resisting expected upward movement of shale in the stilling-basin area of the South Saskatchewan River Dam spillway; the suitability of various types of grout for use behind the tunnel lining at the South Saskatchewan River Dam; and a design study on the size of rock needed and its availability, for protecting the upstream faces of the



A truck-mounted drilling rig leaves the Soil Mechanics Laboratory grounds on a field assignment where it will gather soil samples for analysis.

Ref. No. 24548

Qu'Appelle River and South Saskatchewan River dams. Studies were also made on the magnitude of temperature rise that might be expected, both with and without fly ash, in the mass concrete sections of the South Saskatchewan River Dam spillway.

Field laboratories were maintained during construction of the Waterton Dam in Alberta, and the Deloraine and Stephenfield dams in Manitoba. Here tests were run on various types of materials going into the structures. A continuing program of measuring settlement, foundation movement, frost penetration and water levels at completed structures was maintained during 1962-63.

Hydrology Division

The activities of the Division during the fiscal year covered a wide range of hydrological subjects. Flood-frequency, water-supply, hydrometeorological and other hydrologic studies concerning 57 P.F.R.A. projects were conducted and over 80 reports and memoranda were prepared.

The Division continued to serve as Secretariat to the Prairie Provinces Water Board and carried out studies for the Canadian members of the International

Souris River Board of Control. A number of interprovincial and international watershed studies were carried out to assist these boards in the equitable distribution and impartial control of water.

A meteorologist, seconded from the Department of Transport, continued to work in the Division and made good progress on studies relating to probable maximum rainfall, prairie snowpacks, frequency of point rainfall, wind analysis and evaporation.

Because of drought, field investigations of flooding were not required. However, a bucket survey was made of an unusual rainfall in southwestern Saskatchewan that produced up to 10 inches of precipitation in 24 hours. Some miscellaneous field work was undertaken in connection with watershed studies and minor flood problems.

Surveys

A change in the method of operations of the Legal Survey Section was adopted and proved effective during the year. The Section closed its Lethbridge survey office, and formed a permanent staff operating out of Regina. Excess work was contracted to private survey firms, eliminating the need for hiring and training temporary employees.

The main task of the Section in 1962 was to resurvey completely the Eastend Irrigation Project. The survey affected 54 quarter sections and included lot boundaries, supply canals, drains, access roads, road diversions, river traverse and the subdivision of 12 new lots. In addition, a complete summary of title requirements for this and the Consul Project was prepared for the Land Division.

Legal surveys were made of the reservoir rights-of-way for the following projects: Muenster Community Storage, Kettlehut Lake Dam and Reservoir, Avonlea Creek Reservoir, Chapleau Lake Storage, Keyser Community Storage, Summercove Storage, Boharm Community and Coral Community.

Various other surveys were completed in the Regina, Francis Lake, Tatagwa, Cypress Lake, Val Marie and Swift Current districts.

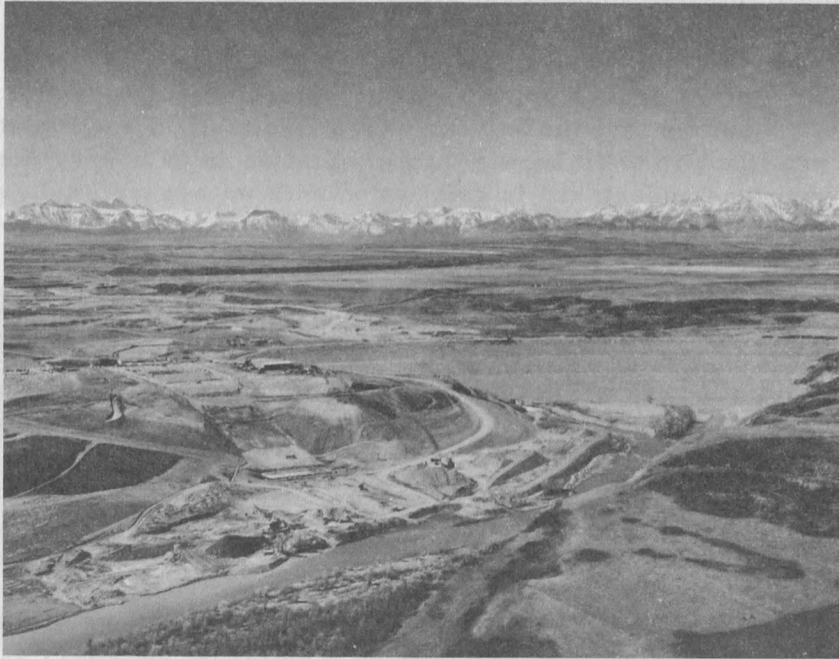
Major Construction Projects

The following is a review of major construction projects on which work was carried out during the year.

St. Mary Irrigation Project

The St. Mary Irrigation Project in southern Alberta involves the construction of works to irrigate approximately 500,000 acres of land. Water to meet irrigation needs is provided by Canada's share of three international streams, the St. Mary, Belly and Waterton rivers.

As the result of an agreement between Canada and Alberta, Canada has paid the cost of engineering, supervision and construction of the main storage and diversion works and connecting canals since work on the project began in 1946. Canada is reimbursed for the operation and maintenance of the main reservoirs and canals through the sale of water to Alberta for irrigating the area, at a price not in



The main embankment of the Waterton Dam is almost complete in this picture, while the spillway is under construction at the left.

Ref. No. 23660

excess of 25¢ per acre-foot. In 1962, this revenue was sufficient to cover the costs of operation and maintenance. Apart from purchasing water, Alberta's responsibilities lie in financing construction of the main canals from Ridge Reservoir east and the distribution system from the main works to the individual areas, engineering services for the entire project being provided by Canada. This cost to the province is partly defrayed through an assessment of \$10 per irrigable acre paid by each farmer associated with the project, plus an assessment to the farmer for all operation and maintenance costs.

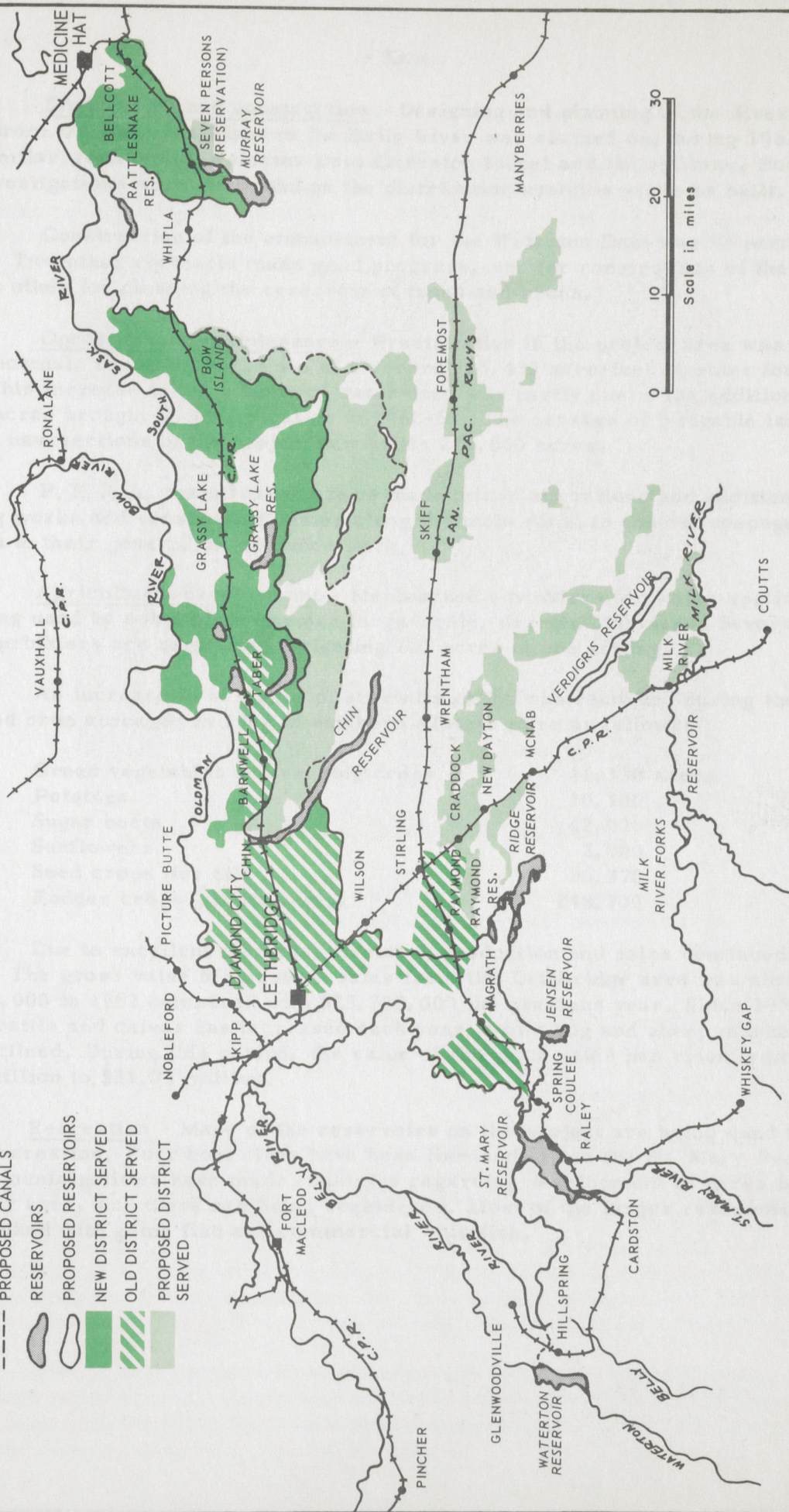
The St. Mary and Belly rivers have been harnessed and storage has been provided to make the most efficient use of these two rivers. Work is almost completed on the Waterton Dam, which will control waters in that river. A diversion canal from the new reservoir to the Belly river will complete the link between the three streams.

Capital costs to the two governments to March 31, 1963, are as follows:

| | |
|---------------------------------|--------------|
| Government of Canada (P.F.R.A.) | \$27,199,000 |
| Government of Alberta | 19,584,000 |

LEGEND

- CANALS
- PROPOSED CANALS
- RESERVOIRS
- PROPOSED RESERVOIRS
- NEW DISTRICT SERVED
- OLD DISTRICT SERVED
- PROPOSED DISTRICT SERVED



ST. MARY IRRIGATION PROJECT

MARCH 31, 1963

APRIL 17, 1958

THE CANADIAN PACIFIC RAILWAY



10-21-58

Engineering and construction - Designing and planning of the diversion canal from the Waterton River to the Belly River was carried out during 1962, as was similar work on the Waterton Dam diversion tunnel and the spillway. Surveys and investigations were continued on the distribution systems yet to be built.

Construction of the embankment for the Waterton Dam was 95 percent completed. Two other contracts made good progress, one for construction of the spillway and the other for clearing the reservoir of trees and brush.

Operation and maintenance - Precipitation in the project area was well below normal, resulting in the use of a record 525,430 acre-feet of water for irrigation. This increase in the volume of water used was partly due to the additional 7,800 acres brought under irrigation in 1962-63. The acreage of irrigable land in the old and new sections of the project now totals 220,000 acres.

P. F. R. A. maintenance crews made minor alterations and additions to existing works and constructed drains along the main canal to control seepage, in addition to their general maintenance work.

Agricultural development - Mechanized sprinklers for water application are being used by some of the former large-scale, dry-land farmers. Several of these sprinklers are capable of irrigating 160 acres at one setting.

An increase in acreages of specialty crops was recorded during the year. Irrigated crop acreages in 1962 in southern Alberta were as follows:

| | |
|------------------------------------|--------------|
| Green vegetables and canning crops | 16,130 acres |
| Potatoes | 10,100 |
| Sugar beets | 42,000 |
| Sunflowers | 2,000 |
| Seed crops (for oil) | 36,370 |
| Fodder crops (alfalfa, etc.) | 248,700 |

Due to excellent markets, livestock production and sales continued to increase. The gross value of livestock sales from the Lethbridge area was about \$31,750,000 in 1962 compared with \$25,300,000 the previous year. Since 1959, the sale of cattle and calves has increased each year, while hog and sheep marketings have declined. During this period, the value of livestock sales has risen from \$22.2 million to \$31.75 million.

Recreation - Many of the reservoirs on the project are being used for public recreation. Four boat clubs have been licensed to use the St. Mary Reservoir. Several municipalities have made enquiries regarding development of parks in the reservoir area, and these are being considered. Most of the larger reservoirs have been stocked with game fish and commercial whitefish.

South Saskatchewan River Project

The South Saskatchewan River Dam is the main structure in the long-range plans for control and development of the South Saskatchewan River. The reservoir that will result from construction of this dam, together with another large dam in the Qu'Appelle Valley, will store water to be released for irrigation, hydroelectric power development, and other agricultural and domestic uses. The reservoir will



River diversion works currently under construction through west bank of river, South Saskatchewan River damsite.

Ref. No. 23165

also make possible extensive recreational development. Regulation and control of the flow of the river downstream will be possible, minimizing severe fluctuations in the level of the river, and at the same time making water available for further power and other development downstream.

Design and planning - The preparation of contract plans and specifications has been carried on by the Design Division in association with the Soil Mechanics and Materials Division. Planning for certain future phases of the work and studies of problems encountered during construction were carried out. Emphasis during 1962 was placed on the preparation of final contract plans and specifications for the tunnel control gates and hoists, tunnel stilling basins, control shaft superstructures, spillway crest and earth work on stage 4 of the embankment. Preliminary planning and design continued on the Qu'Appelle River Dam.

Construction - To date, development work on the project has been confined to the construction of the main dam across the South Saskatchewan River. The three main components of this work, which is being carried out under the direction of the



Four track-type tractors help a scraper load in mucky conditions at the South Saskatchewan River Dam.

Ref. No. 67966

P.F.R.A. engineering staff at the site, are the earth embankment, the five diversion tunnels, and the spillway.

During 1962, embankment construction was confined to the stage 3 phase of the work located west of the river-diversion tunnel. This work entailed excavating and backfilling a cutoff section in the plateau area of the west abutment between the spillway structure and the control shafts, raising the embankment in the river section of the dam, and continuing construction on that section of the embankment that crosses Coteau Creek. When this contract is completed, the embankment will have been raised to its full height from the control structures to the western extremity of the dam. This contract, which also includes the main excavation for the spillway, was about 70 percent completed by the end of March, 1963.

Tunnel work progressed satisfactorily, all the mining being completed. In the upstream section, placement of the concrete lining was completed in two of the tunnels. Installation of the steel and concrete lining in the downstream section was about 90 percent finished.

The five control shafts, which extend vertically from the top of the dam to intersect the tunnels 225 feet below, were excavated before 1962. About 85 percent of the concrete lining was placed in these shafts during the year.

Also associated with the tunnels are the high-level intakes, where work went ahead satisfactorily. Other contract work in progress during 1962 included processing aggregate for tunnel and spillway construction, supplying cement, fabricating the tunnel control gates, and revising Highway 15.



The wells are to contain the regulating gates in one of the five control shafts at the South Saskatchewan River Dam.

Ref. No. 68023

The construction work force reached a peak of about 900 during the busiest months and dropped to a low of 750 during August. In addition, an average of about 200 people were steadily employed by P.F.R.A., local businesses and other operations related to the project.

To accommodate the 80,000 visitors who viewed the construction during the year, a tourist pavilion housing displays, models and photographs was maintained and manned during the warmer months of the year. A second vantage point was maintained across the river to accommodate visitors to the west side of the area. This vantage point was also staffed at appropriate times by pavilion personnel.

Family groups, mainly from Saskatchewan, made up the bulk of the visitors. However, many came in groups representing service clubs, schools, churches, agricultural and business organizations. Other visitors were tourists from various parts of Canada and the United States, as well as state officials and technical groups from Canada and other parts of the world. In response to requests, several illustrated talks were given to various organizations throughout the Province on the project's construction and development.

Regional Engineering Projects

In addition to providing engineering services for the construction and maintenance of water-development projects, the regional engineering offices are responsible for the following operations.

Buffalo Pound Lake Water-supply Project

In accordance with a 1948 agreement between Saskatchewan and Canada, whereby Canada accepted responsibility for maintaining the level of Buffalo Pound Lake, P.F.R.A. pumped water from the South Saskatchewan River to the lake for almost four months from the end of May to the end of September, 1962. By maintaining the level of the lake, water is provided in the Qu'Appelle Valley for agricultural purposes, and for the domestic needs of the cities of Regina and Moose Jaw. When the South Saskatchewan River Dam is completed, and the reservoir has filled, it will be possible to maintain the level of the lake by gravity flow.



A new causeway, partially financed by the Federal Government, has been constructed across Buffalo Pound Lake.

Ref. No. 23566

During the four months of pump operation, 20,000 acre-feet of water reached Buffalo Pound Lake 60 miles away. Maintenance work carried out during the year consisted of cleaning about 14,000 lineal feet of the Qu'Appelle River below the Eyebrow Bridge, and construction of a timber bridge across the river for farm access.

During 1962, Canada agreed to contribute \$40,000 to the cost of constructing a new causeway across Buffalo Pound Lake. This causeway is needed because of the temporary raising of the level of the lake by 2 feet to ensure adequate water supplies in the lake for about two years. No pumping will be possible during this period when water in the South Saskatchewan reservoir will be rising, making the existing pumps inoperative.

Assiniboine River Project

Two areas of this project were involved in construction and studies during the year. They are the Shellmouth Dam area and part of the dyked reach between Portage la Prairie and Winnipeg.

The development of a major flood-control and water-conservation reservoir on the Assiniboine River moved closer to realization with the signing of an agreement between the federal and Manitoba governments. The agreement provides for the construction of a dam near the confluence of the Assiniboine and Shell rivers, in the vicinity of Shellmouth, Man. When built, the dam will be 75 feet high and will impound 430,000 acre-feet of water in a 40-mile-long reservoir.

Various engineering departments were active during the year on this project, performing such functions as photogrammetric mapping, topographical surveying, subsurface investigations, hydrologic studies and preliminary structural designs.



Flooding along the Assiniboine River between Portage la Prairie and Winnipeg.

Ref. No. 52108-18

On the Assiniboine project, dyke construction and the protection of eroding banks made up the bulk of dyking activity along a reach of the river east from Portage la Prairie. Five miles of dyke were improved and 2 miles of banks were back-sloped and protected by P.F.R.A., using rented equipment. All freshly worked areas were cultivated, fertilized and seeded with protective grasses.

Northwest Escarpment and Interlake Projects

Three cooperative projects having to do with water control are in progress under the terms of agreements between the federal and Manitoba governments. These agreements spell out the division of costs and the provision of engineering services. Operation and maintenance of the projects are Manitoba's responsibility.

The three projects include the Wilson Creek Experimental Watershed on the east slopes of the Riding Mountain, the Pine River Headwater Storage Project on the eastern side of Duck Mountain and the Icelandic River Improvement Project on the Lake Winnipeg side of Manitoba's interlake area.



Runoff information on the Wilson Creek Project is tabulated at this Conway Creek weir.

Ref. No. 52113-2

Observations on stream flow, precipitation and weather continued on the Wilson Creek watershed. This work was begun in 1957 to increase knowledge of geological, biological, botanical and hydrometeorological relationships in watersheds on the Manitoba escarpment. Detention reservoirs constructed in the project are helping to reduce flooding on the lower, agricultural areas of the drainage basin.

Manitoba is providing supervision and engineering services for two control dams being built on the upper Pine River on the eastern slope of Duck Mountain. Canada's contribution to this project is mainly financial. Flood-control measures being carried out on the Pine River are part of a program of headwater storage development begun in the Duck and Porcupine Mountain areas several years ago.

Enlargement of the channel of the Icelandic River for 7 miles downstream from Arborg has been in progress for two years. Work on this project to control flooding is almost completed. Besides providing original engineering studies on this job, Canada is paying half the cost of construction.

APPENDIX I

WATER DEVELOPMENT PROGRAM

Progress by Years in the Construction of Individual, Neighbor and Community Projects

| Fiscal Yr. | Number of Projects Constructed | | | Financial Assistance Paid | | | TOTAL |
|------------|--------------------------------|-------|-------|---------------------------|--------------|--------------|---------------|
| | DO | SWD | IRR | DO | SWD | IRR | |
| *1935-49 | 31,415 | 5,233 | 1,221 | 3,424,288.86 | 1,005,194.74 | 638,212.19 | 5,067,695.79 |
| 1949-50 | 3,031 | 164 | 123 | 367,392.80 | 214,973.66 | 220,242.50 | 802,608.96 |
| 1950-51 | 3,442 | 494 | 721 | 408,385.52 | 295,594.47 | 237,892.22 | 941,872.21 |
| 1951-52 | 478 | 106 | 350 | 60,051.14 | 95,488.30 | 171,773.19 | 327,312.63 |
| 1952-53 | 861 | 119 | 290 | 100,219.54 | 32,769.41 | 116,672.07 | 249,661.02 |
| 1953-54 | 1,791 | 190 | 187 | 227,372.12 | 126,415.05 | 209,287.59 | 563,074.76 |
| 1954-55 | 1,314 | 242 | 193 | 161,716.42 | 201,457.82 | 122,534.03 | 485,708.27 |
| 1955-56 | 504 | 159 | 114 | 68,141.55 | 78,443.87 | 87,547.88 | 234,133.30 |
| 1956-57 | 863 | 131 | 114 | 112,268.86 | 46,272.04 | 157,803.10 | 316,344.00 |
| 1957-58 | 2,218 | 225 | 155 | 268,273.35 | 143,319.23 | 90,787.91 | 502,380.49 |
| 1958-59 | 3,288 | 281 | 168 | 411,791.24 | 135,211.03 | 97,049.58 | 644,051.85 |
| 1959-60 | 3,974 | 259 | 136 | 820,479.90 | 98,981.43 | 70,894.59 | 990,355.92 |
| 1960-61 | 4,602 | 501 | 170 | 990,874.56 | 118,308.58 | 76,121.89 | 1,185,305.03 |
| 1961-62 | 9,249 | 297 | 154 | 2,035,757.87 | 108,058.79 | 76,374.39 | 2,220,191.05 |
| 1962-63 | 6,587 | 566 | 313 | 1,547,795.36 | 130,512.59 | 135,349.77 | 1,813,657.72 |
| TOTAL | 73,617 | 8,967 | 4,409 | 11,004,809.09 | 2,831,001.01 | 2,508,542.90 | 16,344,353.00 |

DO - Dugout

SWD - Stockwatering Dam

IRR - Individual Irrigation Project

* - Annual figures for accumulated years may be found in previous reports

APPENDIX II

WATER DEVELOPMENT PROGRAM

Number of Individual, Neighbor, Community and Large Water Development Projects completed and amount of financial assistance paid from April 1, 1962 to March 31, 1963

| | DUGOUTS | | | DAMS | | | IRRIGATION PROJECTS | | | TOTALS | |
|---------------------|---------------|---------------------------|---------------|---------------|---------------------------|-------------------|---------------------|---------------------------|---------------|---------------------------|---------------|
| | Projects Paid | Financial Assistance Paid | Projects Paid | Projects Paid | Financial Assistance Paid | Projects Paid | Projects Paid | Financial Assistance Paid | Projects Paid | Financial Assistance Paid | Projects Paid |
| MANITOBA | | | | | | | | | | | |
| Individual | 980 | 219,080.98 | 3 | 61 | 690.74 | 33,772.66 | 1,044 | 253,544.38 | | | |
| Neighbor | 9 | 4,634.23 | - | 9 | - | 8,122.67 | 18 | 12,756.90 | | | |
| Community | - | - | - | - | - | - | - | - | | | |
| Large Water | - | - | 3 | - | 242,634.00 | - | 3 | 242,634.00 | | | |
| TOTAL | 989 | 223,715.21 | 6 | 70 | 243,324.74 | 41,895.33 | 1,065 | 508,935.28 | | | |
| SASKATCHEWAN | | | | | | | | | | | |
| Individual | 3,975 | 895,317.24 | 272 | 160 | 50,822.43 | 57,800.72 | 4,407 | 1,003,940.39 | | | |
| Neighbor | 33 | 17,852.32 | - | 6 | - | 3,651.20 | 39 | 21,503.52 | | | |
| Community | 28 | 40,894.60 | 5 | 1 | 22,169.82 | 4,201.10 | 34 | 67,265.52 | | | |
| Large Water | - | - | 6 | - | 348,639.00 | - | 6 | 348,639.00 | | | |
| TOTAL | 4,036 | 954,064.16 | 283 | 167 | 421,631.25 | 65,653.02 | 4,486 | 1,441,348.43 | | | |
| ALBERTA | | | | | | | | | | | |
| Individual | 1,547 | 339,777.41 | 283 | 75 | 51,471.63 | 27,062.10 | 1,905 | 418,311.14 | | | |
| Neighbor | 7 | 4,766.98 | 1 | 1 | 1,000.00 | 739.32 | 9 | 6,506.30 | | | |
| Community | 8 | 25,471.60 | 2 | - | 4,357.97 | - | 10 | 29,829.57 | | | |
| Large Water | - | - | 1 | - | 45,502.00 | - | 1 | 45,502.00 | | | |
| TOTAL | 1,562 | 370,015.99 | 287 | 76 | 102,331.60 | 27,801.42 | 1,925 | 500,149.01 | | | |
| GRAND TOTAL | 6,587 | 1,547,795.36 | 576 | 313 | 767,287.59 | 135,349.77 | 7,476 | 2,450,432.72 | | | |

APPENDIX III

WATER DEVELOPMENT PROGRAM

Number of Individual, Neighbor, Community and Large Water Development Projects completed
and amount of financial assistance paid from April 1, 1935 to March 31, 1963

| | DUGOUTS | | | DAMS | | | IRRIGATION PROJECTS | | | TOTALS | |
|---------------------|---------------|---------------------------|---------------|---------------|---------------------------|---------------|---------------------|---------------------------|---------------|---------------------------|---------------|
| | Projects Paid | Financial Assistance Paid | Projects Paid | Projects Paid | Financial Assistance Paid | Projects Paid | Projects Paid | Financial Assistance Paid | Projects Paid | Financial Assistance Paid | Projects Paid |
| MANITOBA | | | | | | | | | | | |
| Individual | 15,347 | 1,980,565.10 | 334 | | 28,152.51 | 256 | | 101,776.60 | 15,937 | | 2,110,494.21 |
| Neighbor | 74 | 19,916.86 | 15 | | 4,496.20 | 17 | | 10,335.29 | 106 | | 34,748.35 |
| Community | 7 | 12,530.86 | 24 | | 131,160.47 | 2 | | 30,582.54 | 33 | | 174,273.87 |
| Large Water | - | - | 27 | | 1,690,125.82 | 6 | | 617,217.00 | 33 | | 2,307,342.82 |
| TOTAL | 15,428 | 2,013,012.82 | 400 | | 1,853,935.00 | 281 | | 759,911.43 | 16,109 | | 4,626,859.25 |
| SASKATCHEWAN | | | | | | | | | | | |
| Individual | 46,254 | 6,674,234.44 | 5,148 | | 512,086.23 | 2,657 | | 671,971.01 | 54,059 | | 7,858,291.68 |
| Neighbor | 414 | 130,935.63 | 58 | | 12,689.95 | 122 | | 59,804.23 | 594 | | 203,429.81 |
| Community | 374 | 348,184.23 | 199 | | 1,047,579.46 | 69 | | 658,994.44 | 642 | | 2,054,758.13 |
| Large Water | - | - | 48 | | 3,699,922.37 | 35 | | 4,079,910.00 | 83 | | 7,779,832.37 |
| TOTAL | 47,042 | 7,153,354.30 | 5,453 | | 5,272,278.01 | 2,883 | | 5,470,679.68 | 55,378 | | 17,896,311.99 |
| ALBERTA | | | | | | | | | | | |
| Individual | 11,021 | 1,665,095.99 | 3,056 | | 346,210.40 | 1,217 | | 308,844.76 | 15,294 | | 2,320,151.15 |
| Neighbor | 51 | 18,861.01 | 15 | | 4,960.99 | 16 | | 5,773.01 | 82 | | 29,595.01 |
| Community | 75 | 154,484.97 | 118 | | 743,664.80 | 53 | | 660,461.02 | 246 | | 1,558,610.79 |
| Large Water | - | - | 6 | | 103,597.00 | 18 | | 693,004.00 | 24 | | 796,601.00 |
| TOTAL | 11,147 | 1,838,441.97 | 3,195 | | 1,198,433.19 | 1,304 | | 1,668,082.79 | 15,646 | | 4,704,957.95 |
| GRAND TOTAL | 73,617 | 11,004,809.09 | 9,048 | | 8,324,646.20 | 4,468 | | 7,898,673.90 | 87,133 | | 27,228,129.19 |

APPENDIX IV
COMMUNITY WATER STORAGE AND IRRIGATION PROJECTS
To March 31, 1963

(Community Projects costing less than \$1,000.00 are grouped under the heading of Small Community Projects in Appendices II and III)

MANITOBA

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-----------------------------|--------------|-------------------|-----------|----------|-------------------------|---------|
| Alexander Soil Conservation | Alexander | Soil Conservation | 1944 | - | - | 5,250 |
| Birtle Dam | Birtle | Stockwatering Dam | 1947 | - | - | 11,490 |
| Boissevain | Boissevain | Storage Dam | 1954 | - | 580 | 29,992 |
| Boissevain Spillway | Boissevain | Spillway | 1961 | - | - | 20,782 |
| Brandon Flood Irrigation | Brandon | Flood Irrigation | 1949 | 1,000 | - | 27,107 |
| Brandon Water Supply | Brandon | Storage Dam | 1940 | - | 500 | 3,996 |
| Clearwater Storage | Clearwater | Stockwatering Dam | 1938 | - | 12 | 5,949 |
| Crystal City Storage | Crystal City | Stockwatering Dam | 1935 | - | 3 | 3,334 |
| Crystal City | Crystal City | Storage Dam | 1962 | - | 120 | 54,985 |
| Dead Lake Community | Gladstone | Irrigation | 1950 | 20 | 90 | 1,933 |
| Deloraine Dam | Deloraine | Storage Reservoir | 1962 | - | 1,400 | 154,698 |
| Edwards, R.M. of | Melita | Stockwatering Dam | 1935 | - | 100 | 10,214 |
| Elie Dam | Elie | Stockwatering Dam | 1962 | - | 109 | 34,826 |
| Hague Dam | Sanford | Stockwatering Dam | 1953 | - | - | 29,183 |
| Hampson Dam | Sanford | Storage Dam | 1954 | - | 420 | 16,899 |
| Hartney | Hartney | Irrigation | 1941 | - | - | 10,264 |
| Killarney | Killarney | Multi-purpose Dam | 1956 | - | 800 | 41,965 |
| LaSalle River Dams | LaSalle | Stockwatering Dam | 1941 | - | 900 | 22,989 |
| LaSalle River Dam #2 | LaSalle | SWD & Domestic | 1961 | - | 260 | 36,531 |

| Name of Project | Location | Type of Project | Completed | Irr. Acc. | Stor. Cap. Acre Feet | Costs |
|-------------------------------|---------------|----------------------|------------|-----------|-------------------------|-----------|
| Lewko Dam | Sanford | Storage Dam | 1954 | - | 320 | 20,874 |
| Little Souris River Dam | Melita | Stockwatering Dam | 1945 | - | 250 | 1,380 |
| Mary Jane Storage Project | Manitou | Multi-purpose Dam | 1959 | - | 1,150 | 96,045 |
| McAuley Community Dam | McAuley | Stockwatering Dam | 1955 | - | 20 | 2,051 |
| Melita | Melita | Irrigation | 1941 | 3,900 | 3,200 | 11,372 |
| Minnedosa Dam | Minnedosa | Storage Dam | 1950 | 20 | 1,500 | 105,051 |
| Morden Dam (Dead Horse Creek) | Morden | Irrigation | 1941 | 100 | 1,200 | 344,274 |
| Morris River Dams (3) | Morris | Stockwatering Dams | 1960 | - | 207 | 64,232 |
| Morris River-Rock Lake | Carmen | Stockwatering Dam | 1940 | - | 10,000 | 23,401 |
| Napinka | Napinka | Irrigation | 1941 | - | - | 6,770 |
| Neepawa Storage Project | Neepawa | Multi-purpose Dam | 1960 | - | 4,000 | 345,238 |
| Oak Lake | Oak Lake | Irrigation | 1956 | 13,000 | - | 119,205 |
| Park Lake | Neepawa | Stockwatering | 1953 | - | - | 21,626 |
| Perry Park Dam | Westbourne | SWD & Domestic | 1961 | - | 70 | 32,317 |
| Plum Coulee | Plum Coulee | Multi-purpose Res. | 1957 | - | 12 | 5,939 |
| Plumas | Plumas | Multi-purpose Dam | 1960 | - | 30 | 2,991 |
| Plumas | Plumas | Stockwatering Dam | 1961 | - | 14 | 19,096 |
| Rivers Dam | Rivers | Multi-purpose Res. | 1960 | - | 26,000 | 1,085,392 |
| Roland | Roland | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Rosebank Dam | Rosebank | Stockwatering | 1948 | - | 32 | 12,161 |
| Roseau River Dam | Dominion City | Multi-purpose Dam | 1957 | - | - | 54,705 |
| Shoal Lake Project | Shoal Lake | Stockwatering | 1948 | - | 3,500 | 8,491 |
| Souris Dam | Souris | Multi-purpose Dam | 1952 | - | 150 | 73,597 |
| Souris, Town of | Souris | Stockwatering Dam | 1935 | - | 150 | 3,841 |
| St. Malo Dam | St. Malo | Multi-purpose Dam | 1958 | - | 1,770 | 266,937 |
| St. Lazare Storage Reservoir | Lazare | Stockwatering | 1948 | - | 5 | 1,470 |
| Starbuck Dam | Starbuck | Stockwatering | 1961 | - | 712 | 47,210 |
| Stephenfield Dam | Stephenfield | Storage Reservoir | Incomplete | - | 3,600 | 135,756 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-----------------------------|---------------|----------------------|------------|----------|-------------------------|---------|
| Turtle Mountain Reservoir | Boissevain | Multi-purpose Res. | 1956 | 70 | 600 | 11,968 |
| Wawanesa | Wawanesa | Irrigation | 1941 | - | - | 125,332 |
| Westbourne, R.M. of | Gladstone | Stockwatering | 1947 | - | - | 5,993 |
| Whitemud River | Woodside | Stockwatering | 1949 | - | 160 | 6,506 |
| Whitemud River Storage | Gladstone | Stockwatering Dam | 1943 | - | 660 | 11,464 |
| SASKATCHEWAN | | | | | | |
| Abbey | Abbey | Stockwatering Dugout | 1958 | - | 1.5 | 1,000 |
| Abound | Caron | Multi-purpose Res. | 1960 | - | 200 | 5,210 |
| Adair Creek | Wolseley | Multi-purpose Dam | 1956 | 40 | 350 | 59,849 |
| Adam's Lake | Battle Creek | Irrigation | 1936 | 1,500 | 2,000 | 8,831 |
| Admiral Storage Dam | Admiral | Irr. & Stockwatering | 1949 | 2,000 | 2,200 | 38,520 |
| Allan | Allan | Stockwatering | 1948 | - | 300 | 4,477 |
| Altawan | Govenlock | Irrigation | 1960 | 1,000 | 5,830 | 261,479 |
| Alsask | Alsask | Multi-purpose Res. | 1958 | - | 30 | 9,710 |
| Antler Creek Project | Carnduff | SWD & Domestic | 1961 | - | 790 | 54,141 |
| Arcola | Arcola | Stockwatering Dam | 1939 | - | (underground) | 17,310 |
| Arena | Arena | Irr. & Stockwatering | 1949 | 1,600 | 3,200 | 5,218 |
| Arm River, R.M. of | Davidson | Dugout | 1961 | - | - | 1,000 |
| Arrarat | Abbey | Stockwatering Dam | 1959 | - | 6 | 7,398 |
| Artland Grazing | Marsden | Dugout | 1955 | - | 1.5 | 1,000 |
| Avon Heights Grazing Co-op. | Shaunavon | Stockwatering | 1955 | - | 60 | 2,428 |
| Avonhurst | Qu'Appelle | Stockwatering | 1956 | - | 1.5 | 3,200 |
| Avonlea | Avonlea | Dugout | 1959 | - | 3 | 2,170 |
| Avonlea Project | Avonlea | Multi-purpose | Incomplete | - | 7,000 | 22,532 |
| Aylesbury | Craik | Stockwatering Dam | 1961 | - | 40 | 1,265 |
| Balcarres | Balcarres | Stockwatering | 1948 | - | 100 | 7,203 |
| Balcarres Storage | Balcarres | Stockwatering | 1953 | - | 20 | 10,294 |
| Bateman | Gravelbourg | Irr. & Stockwatering | 1949 | 400 | 114 | 4,739 |
| Battleford | N. Battleford | Irrigation (pump) | 1941 | 800 | - | 3,058 |
| Beadle | Eston | Dugout | 1959 | - | 3 | 1,393 |
| Beadle Project | Eston | Dugout | 1960 | - | - | 1,393 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|--|-------------------|----------------------|-----------|----------|-------------------------|---------|
| Beaver Creek | Hanley | Stockwatering | 1951 | - | 200 | 7,998 |
| Beechy #1 | Beechy | Irr. & Stockwatering | 1946 | 600 | 1,000 | 12,746 |
| Beechy #2 | Beechy | Irr. & Stockwatering | 1948 | 200 | 100 | 6,240 |
| Beechy Co-op. | Beechy | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Begin Grazing Co-op. Ltd. | Albertville | Dugout | 1962 | - | - | 1,000 |
| Belvoir | Glamis | Dugout | 1959 | - | 3 | 1,484 |
| Bengough Agricultural Community Project | Bengough | Dugout | 1960 | - | - | 1,000 |
| Bengough, R.M. of | Bengough | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Big Arm Storage | Liberty | Irrigation | 1939 | 5,000 | 5,200 | 13,161 |
| Big Stick Stockmen's Co-op. Assoc. Ltd. | Maple Creek | Dugouts (3) | 1961 | - | - | 2,567 |
| Birch Hills | Birch Hills | Dugout | 1961 | - | 125 | 36,152 |
| Black Hills Grazing Co-op. | Piapot | Dugout | 1955 | - | 5 | 2,520 |
| Boharm | Boharm | Stockwatering | 1948 | - | 100 | 6,250 |
| Bracken | Bracken | Stockwatering | 1946 | - | 158 | 1,001 |
| Braddock Dam | Braddock | Irrigation | 1952 | 2,000 | 1,600 | 83,999 |
| Brightwater Creek | Hanley | Irrigation | 1956 | 2,500 | 3,500 | 11,713 |
| Brightwater Lake | Dundurn | Irrigation | 1960 | 7,000 | - | 12,211 |
| Brown Hill Dam | Grenfell | Multi-purpose Dam | 1958 | - | 275 | 99,394 |
| Buffalo Pound | Qu'Appelle Valley | Irrigation | 1940 | x | - | 83,723 |
| Buffalo Valley | Wiseton | Dugout | 1960 | - | - | 1,000 |
| Burstall | Burstall | Dugout | 1960 | - | - | 1,500 |
| Cabri | Cabri | Stockwatering | 1948 | - | 340 | 37,553 |
| Cabri Dam (Spillway) | Cabri | Stockwatering | 1960 | - | 340 | 29,107 |
| Cadillac | Cadillac | Irrigation | 1945 | 800 | 1,350 | 32,887 |
| Camberly | Camberly | Irrigation & Dam | 1950 | - | 100 | 2,106 |
| Canora | Canora | Storage Dam | 1941 | - | 300 | 16,128 |
| Caron | Caron | Storage | 1948 | - | 100 | 17,109 |
| Caron Water Development | Thunder Creek | Storage Dam | 1944 | - | 43,500 | 710,433 |
| Cedoux | Cedoux | Stockwatering | 1947 | - | 314 | 4,999 |
| Ceylon Reservoir | Ceylon | Irrigation & Dam | 1952 | 300 | 250 | 8,087 |
| Chapleau Lake | Montmartre | Stockwatering | 1949 | - | 3,530 | 8,208 |
| Clair Creek | Wadena | Flood Irrigation | 1957 | 100 | - | 1,877 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs | |
|------------------------------|-------------------|----------------------|-----------|--------------------------|-------------------------|---------|--------|
| Claydon | Claydon | Multi-purpose Res. | 1957 | - | 30 | 2,498 | |
| Claydon Grazing Co-op. | Claydon | DO & Stockwatering | 1961 | - | - | 1,750 | |
| Claydon | Claydon | Irrigation | 1959 | 700 | 300 | 7,015 | |
| Clearfield | Goodwater | Irrigation & Dam | 1951 | 70 | 300 | 5,999 | |
| Cleland Dam | Marriott | Stockwatering Dam | 1961 | - | 210 | 35,949 | |
| Colgate | Colgate | Flood Irrigation | 1958 | 320 | - | 7,110 | |
| Conquest, Village of | Conquest | Dugout | 1954 | - | 1.5 | 1,000 | |
| Congress-Stonehenge | Limerick | Stockwatering Dugout | 1958 | - | 2 | 1,000 | |
| Consul-Vidora | Vidora | Irrigation | 1950 | 3,000 | - | 62,500 | |
| Corning Dam | Corning | Stockwatering Dam | 1961 | - | 250 | 8,264 | |
| Coral | Trossachs | Stockwatering Dam | 1961 | - | 150 | 7,626 | |
| Coronach | Coronach | Irrigation & Dam | 1947 | 300 | 1,450 | 97,807 | |
| Craik Dam | Craik | Multi-purpose | 1962 | - | 5,000 | 92,310 | |
| Crooked & Round Lake | Qu'Appelle Valley | Irrigation | 1941 | x | - | 48,650 | |
| Craven Dam | Qu'Appelle Valley | Irrigation | 1943 | x | - | 33,675 | |
| Cypress Storage | Ravenscrag | Irrigation | 1939 | 20,000 | 80,000 | 467,691 | |
| Coleville, Village of | Coleville | Dugout | 1958 | - | 1.5 | 1,000 | |
| Coleville | Coleville | Dugout | 1961 | - | - | 1,500 | |
| Cupar | Cupar | Irrigation | 1960 | 3,000 | - | 6,733 | |
| Cupar | Cupar | Irrigation | 1961 | 500 | - | 11,494 | |
| Cupar, R.M. of | Markinch | Dugouts (4) | 1961 | - | - | 1,650 | |
| Dalmeny | Dalmeny | Stockwatering | 1951 | - | 3 | 1,000 | |
| Davidson | Davidson | Irrigation | 1937 | 100 | 277 | 3,114 | |
| Davidson Storage Project | Davidson | Multi-purpose Dam | 1959 | - | 400 | 36,006 | |
| Davin | Kronau | Stockwatering | 1947 | - | 1,080 | 13,501 | |
| Dead Lake | Macoun | Irrigation | 1941 | Souris River Development | | | 17,528 |
| Deer Forks, R.M. of #232 | Burstall | Dugout | 1962 | - | - | 1,770 | |
| Delisle | Delisle | Stockwatering | 1950 | - | 45 | 4,899 | |
| Demaine | Demaine | Dugout | 1960 | - | - | 1,000 | |
| Dixson Lake | Spring Valley | Irrigation | 1959 | 500 | 2,500 | 13,951 | |
| Donamar | Fort Qu'Appelle | Stockwatering Dam | 1961 | - | 60 | 4,485 | |
| Doonside Dam | Wawota | Irrigation | 1955 | 1,500 | 1,500 | 3,438 | |
| Downey Lake | Maple Creek | Stockwatering Dam | 1958 | - | 58 | 1,404 | |
| Downey Laking Grazing Co-op. | Maple Creek | Dugout | 1962 | - | - | 1,912 | |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|--------------------------|-------------------|----------------------|-----------|----------|-------------------------|---------|
| Dry Coulee | Eastend | Stockwatering Dam | 1958 | - | 10 | 1,605 |
| Dry Lake | Forward | Stockwatering | 1949 | - | 600 | 9,729 |
| Dunn & Watt | Mankota | Irrigation | 1937 | 305 | - | 2,996 |
| Dunning | Radville | Irrigation | 1951 | 120 | 200 | 3,566 |
| Dummer | Milestone | Irrigation & Dam | 1949 | 500 | 200 | 4,742 |
| Doddsland | Druid | Dugout | 1958 | - | 1.5 | 1,000 |
| Eagle Hill Creek | Plenty | Stockwatering | 1946 | - | 10,700 | 6,432 |
| Eagle Lake | Coleville | Irrigation & Dam | 1949 | 2,000 | 3,000 | 5,998 |
| Eastend | Eastend | Irrigation | 1939 | 4,000 | 1,300 | 161,682 |
| Eastview | Eastview | Stockwatering | 1949 | - | 200 | 5,970 |
| Eatonia | Eatonia | Stockwatering | 1949 | - | 12 | 1,199 |
| Echo Lake | Qu'Appelle Valley | Irrigation | 1943 | x | - | 41,753 |
| Egg Lake | Avonhurst | Multi-purpose Res. | 1957 | 800 | - | 10,047 |
| Elfros | Elfros | Stockwatering | 1949 | - | 25 | 7,330 |
| Elfros, R.M. of | Elfros | Dugouts (2) | 1961 | - | - | 1,000 |
| Emerald Hill | Milestone | Stockwatering | 1958 | - | 250 | 7,582 |
| Eston | Eston | Stockwatering | 1954 | - | 10 | 11,469 |
| Fahlman's Creek Project | Balgonie | Stockwatering | 1949 | - | 400 | 15,599 |
| Fairy Hill | Qu'Appelle Valley | Irrigation | 1941 | x | - | 4,302 |
| Fairview, R.M. of | Fairview | Dugout | 1961 | - | - | 2,000 |
| Fife Lake Restoration | Constance | Irrigation & Dam | 1954 | 1,200 | - | 9,596 |
| Fife Lake #2 | Constance | Irrigation & Dam | 1954 | 650 | - | 6,348 |
| Fillmore | Fillmore | Stockwatering Dugout | 1958 | - | 1.5 | 1,000 |
| Fir Ridge Grazing Co-op. | Fir Ridge | Dugout | 1962 | - | - | 1,000 |
| Fleming | Fleming | Dugout | 1960 | - | - | 1,000 |
| Fleming Creek | Moosomin | Stockwatering | 1950 | - | 75 | 3,282 |
| Foam Lake (Elfros) | Foam Lake | Irrigation | 1957 | 4,000 | - | 11,964 |
| Francis Lake | Morse | Irrigation | 1956 | 1,560 | - | 17,305 |
| Frenchman Flats | Dundurn | Irrigation | 1949 | 1,800 | 2,800 | 9,996 |
| Frenchville | Frenchville | Irrigation & Dam | 1947 | 430 | 670 | 8,096 |
| Fox Valley, R.M. of | Fox Valley | Dugouts (2) | 1961 | - | - | 1,953 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|------------------------------|--------------|----------------------|------------|----------|-------------------------|---------|
| Gainsborough Dam | Gainsborough | Stockwatering | 1962 | - | 900 | 88,243 |
| Gibson Flats | Pennant | Irrigation | 1953 | 1,200 | - | 14,177 |
| Girvin | Girvin | Stockwatering Dam | 1937 | - | 19 | 2,180 |
| Glenbain, R.M. of | Glenbain | Dugout | 1961 | - | - | 1,000 |
| Glenside | Glenside | Stockwatering | 1948 | - | 150 | 3,286 |
| Glidden, Village of | Glidden | Dugout | 1959 | - | 3 | 1,200 |
| Gooseberry Lake | Corning | Stockwatering | 1948 | - | 2,500 | 8,783 |
| Gouverneur Dam | Ponteix | Irrigation | 1952 | 6,000 | 10,000 | 242,468 |
| Graham-Rogers | Qu'Appelle | Irrigation | 1959 | 500 | - | 2,780 |
| Grattle Grazing Co-op. | Hoosier | Dugout | 1960 | - | 3 | 1,495 |
| Gravelbourg South | Gravelbourg | Irrigation | 1948 | 600 | 1,500 | 8,186 |
| Gravelbourg Storage | Gravelbourg | Irrigation | 1947 | 500 | - | 1,917 |
| Grazing Co-op. #76 | Piapot | Dugouts (4) | 1961 | - | - | 4,800 |
| Grosnick | Lake Alma | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Gunn Grazing Co-op. | Shaunavon | Multi-purpose Res. | 1957 | - | 10 | 1,632 |
| Gunn Grazing Co-op. | Shaunavon | Stockwatering Dam | Incomplete | - | 26 | 1,705 |
| Gull Lake | Gull Lake | Multi-purpose Res. | 1960 | - | 80 | 1,850 |
| Hague Dugout | Hague | Stockwatering | 1950 | - | 2 | 1,000 |
| Hanley | Hanley | Stockwatering | 1946 | - | 60 | 3,797 |
| Happyland, R.M. of #231 | Leader | Dugout | 1962 | - | - | 1,824 |
| Harris Reservoir | Maple Creek | Irrigation | 1956 | 1,000 | 5,000 | 238,074 |
| Haunted Hills Grazing Co-op. | Moose Jaw | Stockwatering Dam | 1959 | - | 10 | 1,640 |
| Haunted Hills Grazing Co-op. | Moose Jaw | Dugout | 1961 | - | - | 1,101 |
| Haunted Hills Grazing Co-op. | Moose Jaw | Dugout | 1962 | - | - | 1,000 |
| Hazlet | Hazlet | Multi-purpose Dam | 1960 | - | 500 | 3,550 |
| Heck Livestock Co-op. Assoc. | Prelate | Dugout | 1962 | - | - | 3,937 |
| Herschell Grazing Co-op. | Herschell | Stockwatering Dam | 1962 | - | 14 | 3,290 |
| Hodgeville | Hodgeville | Stockwatering | 1949 | - | 5 | 2,748 |
| Hoosier, Hamlet of | Hoosier | Dugout | 1959 | - | 3 | 1,190 |
| Hugonard Coulee Dam | Lebret | Multi-purpose Dam | 1956 | 100 | 400 | 64,231 |
| Jackfish Creek | Meota | Stockwatering Dam | 1943 | - | 90 | 2,940 |
| Jumping Deer Creek | Lipton | Stockwatering | 1947 | - | 145 | 6,092 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-----------------------------|-------------------|----------------------|------------|----------|-------------------------|---------|
| Kalamazoo Grazing Co-op. #2 | | | | | | |
| Kaposvar | Mortlach | Dugout | 1962 | - | - | 1,000 |
| Kaposvar Creek | Stockholm | Stockwatering | 1947 | - | 290 | 11,946 |
| Katepwa Weir | Melville | Stockwatering Dam | 1954 | - | 1,400 | 102,747 |
| Kelfield | Katepwa | Dam | 1957 | - | - | 61,192 |
| Kerobert | Kelfield | Stockwatering | 1947 | - | 25 | 4,927 |
| Kettlehut Reservoir | Kerobert | Multi-purpose Res. | 1957 | - | 40 | 11,554 |
| Key West, R.M. of #70 | Kettlehut | Stockwatering Dam | 1962 | - | - | 15,269 |
| Keyser | Ogema | Dugout | 1962 | - | - | 1,000 |
| Kincaid | Cupar | Stockwatering Dam | 1961 | - | 80 | 6,574 |
| Kindersley, R.M. of | Kincaid | Stockwatering | 1956 | - | 10 | 2,539 |
| Kindersley, R.M. of | Kindersley | Dugout | 1961 | - | - | 2,000 |
| Kindersley | Kindersley | Stockwatering Dam | 1962 | - | - | 6,850 |
| Kisbey Flats | Kindersley | Stockwatering | 1949 | - | 300 | 2,007 |
| Koch-Froh | Kisbey | Irrigation | 1939 | 2,300 | 5,000 | 23,211 |
| | Qu'Appelle | Multi-purpose Res. | 1956 | 160 | - | 2,390 |
| Lac Pelletier | Lac Pelletier | Stockwatering Dam | 1937 | - | 3,350 | 2,139 |
| Lacadena | Lacadena | Irrigation | 1954 | - | - | 9,678 |
| Lafleche | Lafleche | Stockwatering Dam | 1940 | - | 38 | 2,524 |
| Lafleche Dam | Lafleche | Multi-purpose Dam | 1957 | 15,000 | 30,120 | 627,922 |
| Lajord | Lajord | Dam | 1936 | - | 300 | 13,800 |
| Lake of the Rivers | Assiniboia | Stockwatering Dam | 1938 | - | 300 | 10,805 |
| Lancer Water Users | Lancer | Irrigation | 1953 | 1,265 | - | 35,000 |
| Langenburg | Langenburg | Irrigation & Dam | 1949 | 800 | 200 | 11,752 |
| Langenburg | Langenburg | Irrigation | 1954 | - | 2.5 | 3,000 |
| Larsen | Radville | Multi-purpose Dam | 1957 | - | 500 | 36,437 |
| Last Mountain Lake | Qu'Appelle Valley | Irrigation | 1941 | x | - | 42,721 |
| Lebret | Qu'Appelle Valley | Irrigation | 1941 | x | - | 16,307 |
| Lemsford | Lemsford | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Linacre Co-op. | Fox Valley | Dugout | 1960 | - | - | 1,100 |
| Linacre Grazing Co-op. | Fox Valley | Dugout | 1962 | - | - | 3,000 |
| Lipton, R.M. of | Lipton | Dugout | Incomplete | - | - | 1,099 |
| Little Manitou Lake | Watrous | Dam | 1957 | - | - | 39,271 |
| Lone Tree Municipality | Climax | Dugout | 1960 | - | - | 1,200 |
| Lonesome Lake | Vidora | Irrigation | 1949 | 900 | 800 | 2,771 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|--------------------------------|----------------|-------------------|------------|----------|-------------------------|---------|
| Long Creek #1 | Estevan | Stockwatering Dam | 1938 | - | 137 | 8,729 |
| Long Creek #2 | Estevan | Stockwatering Dam | 1938 | - | 90 | 8,701 |
| Longlaketon, R.M. of | Earl Grey | Dugouts (2) | 1961 | - | - | 1,100 |
| Longlaketon, R.M. of | Earl Grey | Dugouts (2) | 1961 | - | - | 1,000 |
| Loon Creek | Markinch | Stockwatering Dam | 1945 | - | 700 | 7,180 |
| Loreburn, R.M. of #354 | Hawarden | Dugout | 1962 | - | - | 1,000 |
| Lost Forest Dam | Corning | Stockwatering | Incomplete | - | 65 | 3,444 |
| Lost Pine Grazing Co-op. | Paddockwood | Dugout | 1962 | - | - | 1,000 |
| Lucky Lake | Lucky Lake | Stockwatering | 1946 | - | 120 | 7,596 |
| McIntosh Slough | Golden Prairie | Irrigation | 1949 | 500 | 1,500 | 1,990 |
| McLaren Lake | Richmond | Stockwatering Dam | 1962 | - | 3,950 | 5,542 |
| Macklin Storage | Macklin | Stockwatering | Incomplete | - | 40 | 967 |
| Manitou Cattle Breeders Co-op. | Marsden | Dugout | 1962 | - | - | 1,032 |
| Mankota, R.M. of | Mankota | Dugouts (2) | 1961 | - | - | 2,062 |
| Maple Creek | Maple Creek | Irrigation | 1938 | 10,000 | 23,260 | 356,179 |
| Maple Grove | Goodwater | Dam | 1959 | - | 330 | 5,988 |
| Marcelin | Blaine Lake | Dugout | 1961 | - | - | 1,000 |
| March Flood Irrigation | Cedoux | Irrigation | 1948 | 400 | - | 1,765 |
| Markinch South | Markinch | Irrigation | 1961 | 350 | - | 5,060 |
| Martin Co-op. | Maple Creek | Dugout | 1960 | - | - | 4,598 |
| Masefield | Masefield | Stockwatering | 1938 | - | 40 | 3,187 |
| Masefield Water Users | Masefield | Multi-purpose Dam | 1957 | 500 | 250 | 7,999 |
| Matador | Matador | Irrigation & Dam | 1946 | 120 | 220 | 5,216 |
| Maymont | Maymont | Dugout | 1959 | - | 1.5 | 1,200 |
| Maxim Lake | Maxim | Stockwatering | 1949 | - | 5,000 | 20,472 |
| McCrane, R.M. of | Kenaston | Stockwatering Dam | 1937 | - | 350 | 1,896 |
| McDonald Creek | McCord | Irrigation & Dam | 1950 | 400 | 90 | 4,992 |
| McGurk Lake | Carlyle | Dam | 1960 | - | 2,000 | 3,128 |
| Meadowland | Macklin | Irrigation | 1954 | 500 | - | 6,370 |
| Meeting Lake | Redfield | Stockwatering | 1949 | - | 100 | 2,683 |
| Melaval | Melaval | Stockwatering | 1950 | - | 18 | 1,200 |
| Meota, R.M. of | Meota | Dugout | 1953 | - | 1.5 | 1,000 |
| Merry Flat Grazing Co-op. | Merry Flat | Dugout | 1962 | - | - | 2,600 |
| Middle Creek | Battle Creek | Irrigation | 1937 | 1,000 | 20,000 | 18,663 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|------------------------------|-----------------|----------------------|------------|----------|-------------------------|---------|
| Mine Coulee | Neptune | Stockwatering | 1948 | - | 40 | 4,377 |
| Miry Creek, R.M. of | Abbey | Dam | Incomplete | - | 20 | 4,680 |
| Montague Lake | Assiniboia | Irrigation | 1953 | 235 | - | 1,000 |
| Moose Jaw Creek | Lang | Irrigation | 1938 | 2,250 | 2,180 | 7,618 |
| Moose Mountain | Corning | Irrigation | 1937 | - | 8,000 | 14,829 |
| Moosomin Dam (Keenan Bridge) | Moosomin | Multi-purpose Dam | 1954 | - | 9,000 | 449,184 |
| Muenster | Muenster | Irrigation | 1949 | 25 | 11 | 2,754 |
| Muenster | Muenster | Multi-purpose Dam | 1960 | - | 80 | 8,085 |
| Nashlyn Irrigation | Consul | Irrigation | 1961 | 1,000 | - | 39,944 |
| Neifield | Fox Valley | Dugout | 1962 | - | - | 1,000 |
| Neudorf | Neudorf | Multi-purpose Res. | 1958 | - | - | 1,790 |
| Newburn Lake | Invermay | Irrigation & Dam | 1952 | 50 | 1,280 | 6,477 |
| North Herbert Extension | Herbert | Irrigation | Incomplete | - | - | 511,909 |
| North Portal | North Portal | Dugout | 1959 | - | 2 | 1,810 |
| North Qu'Appelle | Fort Qu'Appelle | Stockwatering Dam | 1948 | - | 100 | 2,386 |
| Oakdale Municipality | Coleville | Dugout | Incomplete | - | - | 1,020 |
| Orkney | Orkney | Stockwatering Dam | 1958 | - | 10 | 1,982 |
| Oungre Dam | Oungre | Stockwatering Dam | 1961 | - | 325 | 45,830 |
| Oxbow Dam | Oxbow | Irrigation | 1941 | 3,900 | 3,200 | 17,436 |
| Pangman | Pangman | Multi-purpose Res. | 1957 | 30 | 125 | 5,533 |
| Pasqua | Moose Jaw | Stockwatering | 1948 | - | 40 | 3,777 |
| Piapot Band | Craven | Dugout | 1962 | - | - | 1,000 |
| Pike Lake | Vanscoy | Irrigation & Dam | 1948 | 900 | 2,500 | 7,360 |
| Pinkham Co-op. | Pinkham | Dugout | 1960 | - | - | 1,497 |
| Pinkham Project | Kindersley | Dugout | 1960 | - | - | 1,000 |
| Pinto Creek | Kincaid | Dugout | 1960 | - | - | 1,000 |
| Pipestone Lake | Broadview | Stockwatering Dam | 1938 | - | 1,600 | 11,785 |
| Pheasant Creek | Lemberg | Storage | 1954 | - | 500 | 114,464 |
| Poplar River | Coronach | Irrigation & Dam | 1950 | 300 | 900 | 14,838 |
| Portreeve | Portreeve | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Primate | Primate | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Prospect Valley Grazing | Linacre | Stockwatering Dugout | 1962 | - | - | 1,622 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|---------------------------|-----------------|----------------------|------------|----------|-------------------------|---------|
| Prud'homme | Prud'homme | Dugout | 1961 | - | - | 1,000 |
| Radville | Radville | Stockwatering | 1947 | - | 32 | 5,019 |
| Reciprocity | Glen Ewen | Irrigation & Dam | 1949 | 2,000 | 1,750 | 27,410 |
| Redford | Wilkie | Stockwatering | 1951 | - | 160 | 1,814 |
| Redvers Dam | Redvers | Multi-purpose | 1962 | - | 165 | 48,522 |
| Richardson-McKinnon | Consul | Irrigation | 1946 | 3,000 | - | 53,913 |
| Richman Irrigation | Glen Bain | Irrigation | 1949 | - | 1,000 | 4,607 |
| Ridgeway Flats | Qu'Appelle | Multi-purpose | 1957 | 65 | 80 | 2,054 |
| Rinfret | Weyburn | Dugout | 1959 | - | 6 | 6,997 |
| Rockfield | Trossachs | Multi-purpose Res. | 1960 | - | 200 | 6,850 |
| Rockglen | Rockglen | Irrigation & Dam | 1955 | 600 | 300 | 13,455 |
| Rosedale | Hanley | Irrigation | 1948 | 60 | 100 | 1,016 |
| Rosthern Water Storage | Rosthern | Storage Dam | 1958 | - | 160 | 22,613 |
| Rough Bark Creek | Goodwater | Stockwatering Dam | 1937 | - | 1,500 | 9,314 |
| Round Hill Water Users | N. Battleford | Irrigation & Dam | 1950 | 425 | 50 | 4,791 |
| Ruddell, Village of | Ruddell | Dugout | 1959 | - | 1.5 | 1,000 |
| Russell Creek | Pambrun | Irrigation | 1951 | 1,000 | 2,000 | 72,993 |
| Saline | Invermay | Multi-purpose Res. | 1958 | 1,000 | - | 2,377 |
| Saltcoats | Bredenbury | Dugout | 1960 | - | - | 1,000 |
| Saltcoats, R.M. of | Saltcoats | Dugout | 1961 | - | - | 1,000 |
| Salvador | Reward | Stockwatering | 1951 | - | 5 | 1,000 |
| Saskatoon | Saskatoon | Storage Dam | 1940 | - | 1,200 | 290,446 |
| Sauder | Rush Lake | Storage & Irrigation | 1949 | - | 800 | 29,115 |
| Scotsguard | Scotsguard | Irrigation & Dam | 1949 | 2,000 | 3,000 | 1,962 |
| Scotsguard | Shaunavon | Stockwatering Dugout | 1960 | - | - | 2,800 |
| Scotsguard | Shaunavon | Stockwatering Dugout | 1958 | - | 3 | 1,857 |
| Scotsguard Grazing Co-op. | Shaunavon | Dugout | Incomplete | - | - | 1,908 |
| Shackelton, Village of | Shackelton | Dugout | 1959 | - | 1.5 | 1,500 |
| Shaheen | Rush Lake | Storage & Irrigation | 1949 | - | 300 | 9,028 |
| Shrimp Lake | Herschel | Stockwatering | 1947 | - | 450 | 9,367 |
| Sinfield | Kelvington | Multi-purpose Res. | 1957 | 10 | - | 3,177 |
| Sioux Reserve | Fort Qu'Appelle | Stockwatering | 1949 | - | 75 | 8,605 |
| Skyeta, Com. | Springside | Dam | 1959 | - | 15 | 3,885 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|--------------------------------|---------------|--------------------|------------|----------|-------------------------|---------|
| Sliding Hills Municipality | Veregin | Dugout | 1960 | - | - | 1,000 |
| Smiley, Village of | Smiley | Dugout | 1949 | - | - | 1,000 |
| Smiley | Smiley | Irrigation & Dam | 1951 | 600 | 1.5 | 9,998 |
| Snake Bite | Beechy | Irrigation | 1954 | 665 | - | 9,999 |
| Snipe Lake | Eston | Stockwatering | 1949 | - | - | 3,415 |
| Snowdown Grazing Co-op. | Fox Valley | Dugout | 1959 | - | 1.5 | 1,898 |
| Snowdown Grazing Co-op. | Fox Valley | Dugouts (5) | 1961 | - | - | 3,000 |
| Souris-Estevan | Estevan | Irrigation | 1941 | - | - | 91,133 |
| Souris-Oxbow Weir | Oxbow | Stockwatering | 1960 | - | - | 37,343 |
| Souris River | Weyburn | Flood Control | 1948 | - | 340 | 11,998 |
| South Abernethy Project | Abernethy | Irrigation | 1956 | 320 | - | 14,568 |
| Spangler Project | Govenlock | Irrigation | 1948 | 1,500 | - | 4,950 |
| Squaw Creek Grazing Co-op. | Craik | Dugout | 1961 | - | 2,100 | 1,000 |
| Stelcam Community Dam | Stelcam | Stockwatering | 1956 | - | 360 | 9,791 |
| Stephens Dam | Abernethy | Stockwatering | 1948 | - | 12 | 8,716 |
| Stony Swamp Co-op. Ltd. | Meath Park | Dugout | 1962 | - | - | 1,000 |
| Sturgis Community Dam | Sturgis | Stockwatering | 1950 | - | 60 | 20,961 |
| Summerberry | Summerberry | Multi-purpose Res. | 1956 | 427 | - | 6,824 |
| Summercove | Mankota | Irrigation & Dam | 1949 | 1,200 | 1,500 | 23,837 |
| -Spillway | - | - | Incomplete | - | - | 82,830 |
| Summit Creek | Bridgeford | Irrigation & Dam | 1949 | 800 | - | 13,227 |
| Sunbeam Creek | Indian Head | Multi-purpose Res. | 1957 | 100 | 300 | 5,216 |
| Swift Current | Swift Current | Irrigation | 1946 | 30,000 | 95,000 | 816,472 |
| Tadmore, R.M. of Buchanan #304 | Buchanan | Dugout | 1962 | - | - | 1,000 |
| Talmage | Cedoux | Irrigation | 1948 | 1,600 | - | 3,483 |
| Tantallon | Tantallon | Stockwatering Dam | 1942 | - | - | 2,790 |
| Tatagwa Lake | Weyburn | Flood Irrigation | 1958 | 10,000 | - | 28,840 |
| Terrell, R.M. of | Spring Valley | Stockwatering | 1952 | - | 10 | 2,491 |
| Terrell, R.M. of #101 | Spring Valley | Dugout | 1962 | - | - | 1,000 |
| Theodore Dam | Theodore | Multi-purpose | Incomplete | - | - | 20,610 |
| Thunderchild Indian Reserve | Thunderchild | Dugout | 1962 | - | 11,000 | 2,023 |
| Thunder Creek | Kettlehut | Flood Irrigation | 1948 | - | - | 27,204 |
| Thunder Creek Channel | Moose Jaw | Irrigation & Dam | 1951 | 300 | - | 10,007 |
| Tilney | Tilney | Multi-purpose Res. | 1958 | - | 7,000 | 8,308 |
| | | | | | 100 | |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|---|----------------------------|--------------------|-----------|----------|-------------------------|---------|
| Torquay Dam | Torquay | Stockwatering Dam | 1961 | - | 280 | 8,287 |
| Touchwood Indian Agency | Punnichy | Dugout | 1962 | - | - | 2,500 |
| Tribune Dam | Tribune | Stockwatering | 1950 | - | 300 | 6,499 |
| Truax | Truax | Stockwatering | 1949 | - | 250 | 11,899 |
| Turtle River, R.M. of | Edam | Dugout | 1962 | - | - | 1,000 |
| Tuxford | Tuxford | Flood Irrigation | 1957 | 800 | - | 7,320 |
| Twelve Mile Lake | Maxstone | Flood Irrigation | 1956 | - | - | 7,998 |
| Tyvan | Tyvan | Stockwatering | 1947 | - | 1,000 | 11,986 |
| Val Marie | Val Marie | Irrigation | 1937 | 5,920 | 7,000 | 214,558 |
| Val Marie West (including new Spillway 1959) | Val Marie | Irrigation | 1940 | 4,230 | 2,000 | 321,586 |
| Valeport Dyke | Valeport | Dam | 1958 | 1,500 | - | 139,748 |
| Valley Park Irrigation | Valley Lake | Irrigation | 1949 | 1,200 | - | 8,133 |
| Vermillion Grazing Co-op. | Calderbank | Dugout | 1962 | - | - | 1,160 |
| Verwood | Verwood | Stockwatering Dam | 1958 | - | 16 | 1,414 |
| Weed Creek | Broadview | Flood Irrigation | 1958 | 2,000 | - | 3,099 |
| West Osage | Cedoux | Irrigation & Dam | 1949 | 300 | 600 | 4,905 |
| West Poplar #1 | Kildeer | Multi-purpose Res. | 1962 | 750 | 1,000 | 16,230 |
| - Improved | - | - | - | - | - | 63,836 |
| Weyburn | Weyburn | Irrigation | 1940 | - | 4,000 | 51,311 |
| - Spillway | - | - | - | - | - | 43,146 |
| Wheatlands, R.M. of | Parkbeg | Irrigation & Dam | 1951 | 100 | 60 | 3,452 |
| White Gull Lake | Gull Lake | Flood Irrigation | 1958 | 263 | - | 1,743 |
| Willow Bluff Grazing Co-op. | Aylesbury | Dugouts (2) | 1961 | - | - | 1,000 |
| Wilson Lake | Lizard Lake | Multi-purpose Res. | 1956 | 400 | - | 2,813 |
| Wittrock | Hodgeville | Irrigation | 1947 | 520 | - | 3,884 |
| Wolseley | Wolseley | Stockwatering | 1948 | - | 20 | 1,800 |
| Wolverine Creek | Humboldt | Stockwatering Dam | 1945 | - | 522 | 52,600 |
| Wood Mountain | Willow Bunch | Irrigation & Dam | 1951 | 40 | 60 | 6,337 |
| Woodrow-Pinto Creek | Woodrow | Irrigation | 1949 | 1,000 | 1,400 | 41,982 |
| Wood River Development | Coderre and Gravelbourg | Stockwatering Dam | 1942 | - | 4,923 | 33,738 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|---|---------------------|-------------------------------------|--------------|----------|-------------------------|----------------|
| Wynn Community Project Wynyard | Wolseley Wynyard | Multi-purpose Res. Stockwatering | 1957 1947 | 500 - | - 35 | 3,152 6,225 |
| Young | Young | Stockwatering | 1948 | - | 250 | 8,892 |
| x - Ultimate irrigation development for all projects along Qu'Appelle River Valley 30,000 - (total storage capacity - 95,600 acre feet). | | | | | | |
| ALBERTA | | | | | | |
| Acadia Valley | Acadia Valley | Dugout | 1953 | - | 1.5 | 2,252 |
| Acadia Valley #2 | Acadia Valley | Dugout | 1954 | - | 1.5 | 1,000 |
| Aetna Irrigation District | Aetna | Irrigation | 1947 | 8,000 | - | 82,004 |
| Airdree | Calgary | Multi-purpose Res. | 1958 | - | 200 | 9,789 |
| Ambrose Flats | Irvine | Irrigation | 1951 | 800 | 1,000 | 4,781 |
| Anatole | Hanna | Stockwatering | 1953 | - | 7 | 2,990 |
| Antelope Park | Nemiscam | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Argyle, M.D. of | Staveley | Stockwatering | 1949 | - | 80 | 10,912 |
| Atlee Gas Well #1 | Atlee | Irrigation (pump) | 1939 | 7,000 | - | 12,423 |
| Atlee Gas Well #2 | Atlee | Irrigation (pump) | 1939 | - | - | 14,300 |
| Atlee Buffalo | Atlee | Dugout | 1959 | - | 9 | 7,200 |
| Badger Lake | Lomond | Stockwatering | 1948 | - | 10 | 2,990 |
| Bain Community | Foremost | Dugout | 1959 | - | 10.5 | 6,800 |
| Balzac | Balzac | Irrigation | 1956 | 900 | - | 8,141 |
| Bare Creek | Comrey | Irrigation & Dam | 1950 | - | 500 | 11,600 |
| Bare Creek #2 | Comrey | Multi-purpose Dam | 1956 | 1,000 | 1,100 | 13,029 |
| Bartman Dam | Cessford | Irrigation | 1943 | 1,000 | 3,000 | 49,100 |
| Beautyland | Bindloss | Dugout | 1959 | - | 6 | 1,500 |
| Beauvais Lake | Pincher Creek | Irrigation | 1950 | 2,000 | 2,400 | 15,996 |
| Beaver Dam Creek Reservoir | Castor | Stockwatering | 1950 | - | 300 | 17,996 |
| Bedford Slough | Medicine Hat | Irrigation | Incomplete | 3,000 | 200 | 35,493 |
| Bell Lake | Pollockville | Irrigation | 1949 | 700 | 1,500 | 4,738 |
| Berry Creek | Carolside | Irrigation | 1948 | 10,000 | 30,000 | 158,884 |
| - Spillway | Carolside | Irrigation | 1962 | - | - | 45,502 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-------------------------------|--------------|----------------------|-----------|----------|-------------------------|--------|
| Bircham | Calgary | Flood Irrigation | 1958 | 1,200 | - | 8,295 |
| Bluefield Grazing Assoc. | Thelma | Stockwatering | 1956 | - | 30 | 3,500 |
| Blood Indian Reserve | Cardston | Dugout | 1960 | - | - | 2,079 |
| Blood Indian Reserve #2 | Cardston | Dugouts (8) | 1961 | - | - | 3,000 |
| Bow Island | Bow Island | Stockwatering Dam | 1958 | - | 1.5 | 1,000 |
| Bow Slope Grazing Assoc. | Brooks | Dugouts (3) | 1961 | - | - | 1,665 |
| Bowell | Bowell | Dugout | 1954 | - | 1.5 | 1,000 |
| Bowmanton | Bowmanton | Stockwatering | 1953 | - | 500 | 14,860 |
| Brunswick Coulee | Enchant | Irrigation | 1949 | 500 | 205 | 4,631 |
| B. T. Grazing Co-op. | Hilda | Stockwatering | 1956 | - | 3 | 1,000 |
| B. T. Grazing Co-op. | Hilda | Dugout | 1961 | - | - | 1,312 |
| Bull Pound Creek | Hanna | Stockwatering Dam | 1939 | - | 2,000 | - |
| Bullshead Creek | Medicine Hat | Irrigation | 1940 | 800 | 1,130 | 8,170 |
| Burke Creek | Claresholm | Stockwatering Dugout | 1957 | - | 6 | 4,492 |
| Burnis Creek | Burnis | Multi-purpose Res. | 1957 | 550 | 250 | 14,683 |
| Cameron | Youngstown | Multi-purpose Dam | 1957 | 662 | 1,000 | 3,905 |
| *Canada Land & Irrig. Project | Medicine Hat | Irrigation | 1936 | 45,000 | - | 80,000 |
| Caranova | Bowell | Multi-purpose Res. | 1957 | 500 | 250 | 8,199 |
| Carbon | Carbon | Multi-purpose Res. | 1957 | 300 | 50 | 8,958 |
| Champion | Champion | Irrigation | 1954 | 2,500 | - | 4,984 |
| Chauvin Grazing Co-op. | Chauvin | Dugouts (3) | 1961 | - | - | 1,195 |
| Chipman Creek | Burnis | Flood Irrigation | 1957 | 700 | - | 3,298 |
| Clear Lake | High River | Stockwatering | 1948 | - | 10,000 | 35,000 |
| Collins | Sheerness | Stockwatering Res. | 1956 | - | 40 | 3,495 |
| Commodore | Vulcan | Irrigation | 1954 | 400 | - | 3,990 |
| Comrey Grazing | Comrey | Dugout | 1953 | - | 1.5 | 1,000 |
| Conrich | West Calgary | Irrigation | 1954 | 1,600 | - | 6,240 |
| Consort | Hanna | Stockwatering | 1955 | - | 20 | 9,651 |
| Coutes Community Project | Coutes | Stockwatering Dam | 1959 | - | 15 | 7,743 |
| Cowley Community | Cowley | Irrigation | 1952 | 750 | - | 4,666 |
| Craigmyle | Craigmyle | Multi-purpose Dugout | 1958 | - | 1.5 | 1,000 |
| Cressday | Medicine Hat | Stockwatering | 1954 | - | - | 13,541 |
| Crowfoot | Gleichen | Multi-purpose Res. | 1958 | - | 110 | 3,576 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|------------------------------|---------------|----------------------|------------|----------|-------------------------|--------|
| Cutbank Coulee | Cressday | Stockwatering Res. | 1956 | 350 | 500 | 2,337 |
| C.Y. Water Users | Taber | Stockwatering | 1949 | - | 310 | 16,477 |
| Cypress View | Irvine | Multi-purpose Res. | 1958 | - | 300 | 11,336 |
| D'Arcy | Hanna | Multi-purpose Res. | 1957 | - | 15 | 2,116 |
| Dead Fish Creek | Cessford | Irrigation | 1949 | 4,000 | 5,000 | 47,832 |
| Del Bonita | Twin River | Stockwatering | 1955 | - | 250 | 9,196 |
| Delia | Morrin | Stockwatering | 1955 | - | 165 | 3,914 |
| Drowning Ford | Vale | 2 Dugouts & Dam | 1953 | - | 100 | 4,368 |
| Drowning Ford | Medicine Hat | Dugout | 1961 | - | - | 1,000 |
| East Berry Creek | Roselynn | Irrigation | 1949 | 1,500 | 750 | 9,677 |
| East Trout Creek | Stavely | Stockwatering Dam | 1958 | - | 8 | 4,117 |
| *Eastern Irrigation District | Brooks | Irrigation | 1937 | 2,280 | 22,000 | 22,490 |
| Eastern Irrigation District | Brooks | Irrigation | Incomplete | - | - | 35,793 |
| (Antelope Coulee) | Hanna | Stockwatering | 1954 | - | 17 | 2,808 |
| Esler | Macklin | Irrigation | 1952 | 4,000 | 5,000 | 4,592 |
| Esther Flood Irrigation | Grassy Lake | Irrigation | 1949 | 12,000 | 1,000 | 38,568 |
| Eureka Irrigation Project | Bow City | DO & Stockwatering | 1961 | - | - | 1,300 |
| Eyemore Grazing Assoc. | Stettler | Stockwatering Dam | 1959 | - | 35 | 1,400 |
| Fenn | Pincher Creek | Irrigation & Dam | 1954 | 1,000 | - | 6,895 |
| Fish Lake | Retlaw | Stockwatering | 1948 | - | 1,500 | 20,125 |
| Franklin Coulee | Sponden | Stockwatering Dugout | 1956 | - | 6 | 1,596 |
| Garden Plains | Gem | Dugout | 1962 | - | - | 1,000 |
| Gem Grazing Assoc. | Calgary | Stockwatering Dam | 1943 | - | 230 | 8,529 |
| Graham Creek | Three Hills | Multi-purpose Res. | 1956 | 30 | 117 | 9,482 |
| Granger | Granlea | Stockwatering Dam | 1959 | - | 725 | 12,853 |
| Granlea Community | Manyberries | Irrigation & Dam | 1954 | 500 | 650 | 9,798 |
| Greasewood Coulee | Halkirk | Irrigation | Incomplete | 303 | - | 2,637 |
| Halkirk Com. | Youngstown | Multi-purpose Res. | 1957 | 2,000 | 401 | 8,000 |
| Hampton | Hanna | Stockwatering | 1948 | - | 500 | 29,498 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-----------------------------|---------------|----------------------|-----------|----------|-------------------------|--------|
| Hays | Hays | Dugout | 1960 | - | - | 4,500 |
| Heath Creek | Northfork | Stockwatering Dam | 1958 | - | 12 | 4,095 |
| Hilda Community Project | Hilda | Multi-purpose Dugout | 1957 | - | 10 | 5,180 |
| Huber Dam | Castor | Stockwatering Dam | 1959 | - | 112 | 3,068 |
| Illingsworth | Bow Island | Dugout | 1954 | - | 1.5 | 1,000 |
| Indian Farm Creek | Pincher Creek | Irrigation & Dam | 1953 | 600 | 500 | 4,795 |
| Indus Community Project | Conrich | Irrigation | 1955 | 1,220 | - | 9,843 |
| Irvine | Irvine | Irrigation & Dam | 1950 | 70 | 100 | 4,799 |
| Irvine | Irvine | Multi-purpose Res. | 1960 | - | 15 | 4,714 |
| Jaydot | Elkwater | Multi-purpose Res. | 1956 | 300 | 400 | 8,988 |
| Kathryn | Calgary | Irrigation & Dam | 1954 | 300 | - | 9,184 |
| Lake Valley | Bowell | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Langford Riley Stock Assoc. | Nanton | Dugout | 1962 | - | - | 1,000 |
| *Leavitt Irrigation | Mountain View | Irrigation | 1939 | 7,000 | 7,050 | 65,578 |
| Lewis | Vulcan | Irrigation & Dam | 1953 | 350 | - | 4,345 |
| Lochend Lake | Calgary | Dam & Irrigation | 1958 | 1,600 | 1,100 | 7,750 |
| Lomond | Lomond | Dugout | 1959 | - | 3 | 1,000 |
| Lomond Grazing Assoc. | Lomond | Dugouts (5) | 1961 | - | - | 2,500 |
| Loveland | Hanna | Irrigation | 1954 | 3,000 | - | 17,655 |
| Loyalist Creek | Hanna | Irrigation | 1950 | 2,000 | 1,400 | 14,993 |
| Lundbreck | Pincher Creek | Stockwatering | 1953 | - | 100 | 4,689 |
| McAlpine Reservoir | Walsh | Irrigation | 1951 | 600 | 1,000 | 15,917 |
| McArthur | Walsh | Dam | 1959 | - | 700 | 14,565 |
| McGregor Dam | Vulcan | Irrigation | 1951 | 1,500 | 700 | 9,473 |
| McLaren | Michichi | Multi-purpose Res. | 1957 | 150 | 660 | 13,815 |
| Mackay Dam | Walsh | Irrigation | 1952 | 600 | 300 | 9,600 |
| *Magrath | Magrath | Irrigation | 1939 | 4,000 | - | 2,756 |
| Many Islands Grazing Assoc. | Walsh | Dugout | 1962 | - | - | 2,171 |
| Meadow Creek Dam | Claresholm | Irrigation | 1952 | 1,500 | - | 5,630 |
| Medicine Lodge Stock Assoc. | Medicine Hat | Stockwatering Dam | 1961 | - | - | 1,372 |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-------------------------------------|---------------|----------------------|-----------|--------------------------|-------------------------|--------|
| Mekastoe | Fort MacLeod | Dam | 1959 | - | 210 | 4,594 |
| Michelle Creek Project | Thelma | Multi-purpose Res. | 1959 | - | 800 | 14,791 |
| Michichi | Marrin | Stockwatering Dam | 1961 | - | 450 | 4,629 |
| Milk River | Milk River | Dugout | 1960 | - | - | 4,448 |
| Milk River Co-op. Grazing Assoc. | Milk River | Dugouts (4) | 1961 | - | - | 3,908 |
| Milne Community Project | Conrich | Irrigation | 1955 | 1,300 | - | 9,644 |
| Mountain View | Mountain View | Storage Dam | 1936 | - | 4,200 | 3,000 |
| Naismith | Youngstown | Multi-purpose Res. | 1956 | 300 | 145 | 9,421 |
| Nemiscam | Etzikom | Dugout | 1954 | - | 1.5 | 1,000 |
| Nemiscam Community Pasture | Foremost | Dugout | 1962 | - | - | 1,500 |
| Nester | Cessford | Multi-purpose Res. | 1957 | 300 | 1,350 | 8,670 |
| New Brigden | Hanna | Stockwatering Dam | 1958 | - | 60 | 3,582 |
| Newell Cattle Grazing Assoc. | Brooks | Dugouts (5) | 1961 | - | - | 2,635 |
| Nobleford Water Users | Nobleford | Dugouts (2) | 1953 | - | 3 | 11,173 |
| North Fincastle | Taber | Irrigation & Dam | 1948 | 2,000 | 4,000 | 17,943 |
| Osborne Water Conservation | Idlesleigh | Dam | 1959 | - | 210 | 9,495 |
| Oyen | Oyen | Stockwatering Dugout | 1957 | - | 1.5 | 1,000 |
| Parfles | Chancellor | Irrigation | 1954 | 250 | - | 4,730 |
| Parr Reservoir | Castor | Multi-purpose Dam | 1961 | - | - | 31,463 |
| Patricia Grazing Co-op. | Patricia | Dugout & SWD | 1961 | - | - | 3,363 |
| Peace Butte Reservoir | Peace Butte | Stockwatering | 1955 | 450 | 550 | 8,993 |
| Peigan Indian Reserve | Brocket | Dugouts (6) | 1961 | - | - | 4,800 |
| Pershing Dam | Glenwood | Irrigation | 1951 | 100 | 200 | 4,782 |
| Pinhorn Grazing Assoc. | Orion | Dugout | 1962 | - | - | 7,536 |
| Pirmez Creek | Pirmez Creek | Irrigation | 1951 | 6,000 | 500 | 20,998 |
| Porcupine Hills | Fort MacLeod | Dugout | 1959 | - | 1.5 | 4,599 |
| Porcupine Hills Stock Assoc. | Fort MacLeod | Dugout | 1960 | - | - | 1,868 |
| Pothole Coulee | Magrath | Irrigation | 1948 | Part of St. Mary Project | - | 8,802 |
| Priddis | High River | Stockwatering | 1955 | - | 312 | 4,812 |
| Provost, Village of | Provost | Multi-purpose Dam | 1956 | - | 3 | - |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-------------------------------|-----------------|----------------------|------------|----------|-------------------------|---------|
| Ranchville Community Res. | Ranchville | Irrigation | 1957 | 300 | - | 4,950 |
| *Raymond | Raymond | Irrigation | 1943 | 3,000 | 1,600 | 6,000 |
| Reid Hill | Vulcan | Irrigation | 1952 | 1,000 | 700 | 8,866 |
| Remount | Bindloss | Dugout | 1960 | - | - | 3,000 |
| Rock Creek Stock Assoc. | Sandbreck | Stockwatering Dugout | Incomplete | - | - | 1,819 |
| Rock Creek Stock Assoc. | Lundbreck | DO & Stockwatering | 1961 | - | - | 3,030 |
| Rock Lake Project | Brooks | Irrigation | 1957 | 11,000 | - | 133,984 |
| *Rolling Hills | Rolling Hills | Irrigation | 1938 | 25,000 | - | 46,839 |
| Rose Glen Water Users | Schuler | Multi-purpose Dam | 1957 | 200 | - | 6,884 |
| Ross Creek | Irvine | Irrigation | 1950 | 3,000 | 150 | 47,998 |
| Ross Lake Com. Pasture Assoc. | Cardston | Dugouts (4) | 1961 | - | 5,000 | 2,160 |
| Ross Lake Community | Raymond | Stockwatering | 1950 | - | 300 | 7,987 |
| Rough Meadow Reservoir | Coronation | Irrigation | 1951 | 200 | - | 2,471 |
| Ruks | Pincher Creek | Irrigation & Dam | 1954 | 900 | 250 | 6,484 |
| Sandy Lake Project | Pincher Creek | Stockwatering Dam | Incomplete | - | 678 | 2,261 |
| Sarcee Indian Band | Calgary | Dugouts (2) | 1961 | - | - | 1,575 |
| Reserve #145 | Schuler | Multi-purpose Res. | 1957 | - | 5 | 5,443 |
| Schuler Waters Users | near Drumheller | Irrigation | 1949 | 1,200 | 500 | 17,518 |
| Serviceberry Creek | Seven Persons | Stockwatering Dam | 1943 | - | 800 | 12,103 |
| Seven Persons | Rosebud | Irrigation & Dam | 1950 | 1,000 | 1,000 | 24,990 |
| Seyern Creek | Roselynn | Stockwatering | 1953 | - | 12 | 3,797 |
| Sheerness Grazing (Blois) | Roselynn | Stockwatering | 1954 | - | 50 | 2,190 |
| Sheerness #2 | Calgary | Irrigation & Dam | 1950 | 500 | 300 | 15,976 |
| Snake Creek | Cereal | Irrigation | 1949 | 8,000 | 5,600 | 51,988 |
| Sounding Creek | MacLeod | Irrigation | 1948 | 6,000 | - | 82,614 |
| South MacLeod | Hanna | Dugout | 1955 | - | 1.5 | 1,000 |
| Spondin | Elkwater | Stockwatering Dam | 1959 | - | 1,000 | 12,496 |
| Spruce Coulee | Parkland | Stockwatering Dugout | 1960 | - | - | 3,529 |
| Spruce Co-op. | Parkland | Dugout | 1962 | - | - | 2,488 |
| Spruce Ranching Co-op. | High River | Irrigation | 1949 | 2,000 | 455 | 17,999 |
| Squaw Coulee | Morrin | Stockwatering | 1956 | - | 45 | 3,196 |
| Starland, M.D. of | Walsh | Multi-purpose Res. | 1956 | - | 26 | 4,570 |
| Stehr Coulee | Sterling | Dugout | 1961 | - | - | 1,000 |
| Sterling Pasture Co-op. Ltd. | | | | | | |

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|------------------------------|--------------|--------------------|------------|----------|-------------------------|--------|
| Stony Indian Reserve | Calgary | Dugout | Incomplete | - | - | 1,404 |
| Sundial | Champion | Dugout | 1959 | - | 6 | 3,102 |
| Sundial | Champion | Dugout | 1961 | - | - | 3,650 |
| Swalwell | Swalwell | Multi-purpose Res. | 1957 | 280 | 300 | 9,463 |
| Three Hills | Three Hills | Stockwatering | 1948 | - | 120 | 19,652 |
| Tilley Rolling Hills Grazing | Tilley | Dugout | 1962 | - | - | 4,900 |
| Twin Lakes | Chancellor | Irrigation | 1954 | 500 | - | 12,498 |
| Twin River Grazing | Twin River | Stockwatering | 1953 | - | 125 | 4,486 |
| Twin River Grazing Assoc. | Milk River | Dugouts (8) | 1961 | - | - | 4,726 |
| Two Lakes | Elkwater | Multi-purpose Res. | 1958 | 1,500 | 1,900 | 14,378 |
| Vauxhall | Vauxhall | Stockwatering | 1948 | - | 30 | 5,883 |
| Vulcan Dam | Vulcan | Irrigation | 1951 | 400 | 150 | 3,997 |
| Waddington | Vale | Multi-purpose Res. | 1957 | - | 12 | 2,904 |
| Walsh Flats | Walsh | Irrigation | 1953 | 2,100 | 25,000 | 4,700 |
| Watson Coulee Grazing | Consort | Stockwatering Dam | 1962 | - | 50 | 1,200 |
| Watts Flats | Watts | Flood Irrigation | 1958 | 2,000 | - | 6,147 |
| (Bull Pound-Lone Butte) | Claresholm | Dugout | 1960 | - | - | 2,263 |
| West Trout Creek | Rockyford | Irrigation | 1952 | - | - | 4,744 |
| Wheatacre #2 | Rockyford | Irrigation | 1950 | 1,600 | 1,500 | 12,976 |
| Wheatacre Dam | Cressday | Irrigation | 1936 | 3,600 | 4,500 | 24,370 |
| Wild Horse Storage | Hussar | Irrigation | 1950 | 1,000 | 500 | 9,993 |
| Wintering Hills | Medicine Hat | Multi-purpose Res. | 1957 | 420 | 500 | 14,403 |
| Wisdom Waters Users | Cardston | Irrigation | 1955 | 400 | - | 3,593 |
| Woolford Community Project | Milk River | Dugout | 1959 | - | 6 | 8,291 |
| Writing on Stone | Thelma | Irrigation | 1953 | 400 | 800 | 6,592 |
| Yeast Reservoir | | | | | | |

* - P.F.R.A. gave assistance to a project already in existence to improve storage capacities, canals and distribution systems.

APPENDIX V
CUMULATIVE STATEMENT
Development and Operation of Community Pastures under the
Prairie Farm Rehabilitation Act
1938 to March 31, 1963

| 1938 to March 31, 1963 | | | | | | | | | | |
|------------------------|-----------------------------------|----------------------------------|---|-------------------------------------|--------------------------------|-------------------|--------------------|---|---|--|
| Fiscal Year | No. of Pasture Units in Operation | Area of Land in Pastures (acres) | Total Cost of Construction of Pastures \$ | Livestock Units Carried on Pastures | X Acres per Unit of Live-stock | Cost of Operation | | Net Operating cost per Unit of Livestock \$ | Average Charge per Unit Livestock to Farmers \$ | |
| | | | | | | Revenue \$ | Operating Costs \$ | | | |
| 1938-39 | 14 | 189,800 | 165,995.03 | 3,231 | 58.7 | 6,339.92 | 10,185.52 | 3.15 | 1.96 | |
| 1939-40 | 26 | 612,300 | 663,471.25 | 11,522 | 53.1 | 21,632.71 | 20,945.84 | 1.82 | 1.88 | |
| 1940-41 | 35 | 884,500 | 1,004,305.91 | 23,245 | 38.1 | 43,451.56 | 35,291.05 | 1.52 | 1.87 | |
| 1941-42 | 38 | 936,548 | 1,187,360.92 | 33,230 | 28.2 | 65,434.89 | 50,607.22 | 1.52 | 1.97 | |
| 1942-43 | 45 | 1,261,100 | 1,129,487.54 | 51,127 | 24.7 | 98,292.32 | 79,906.76 | 1.56 | 1.92 | |
| 1943-44 | 46 | 1,268,140 | 1,558,055.31 | 54,472 | 23.3 | 111,114.25 | 107,534.66 | 1.97 | 2.04 | |
| 1944-45 | 49 | 1,337,320 | 1,699,012.21 | 59,997 | 22.3 | 151,461.08 | 117,064.90 | 1.95 | 2.52 | |
| 1945-46 | 50 | 1,361,440 | 1,857,020.37 | 67,778 | 20.1 | 167,045.16 | 136,567.09 | 2.01 | 2.46 | |
| 1946-47 | 53 | 1,412,860 | 2,072,274.21 | 68,493 | 20.6 | 198,115.27 | 145,292.51 | 2.12 | 2.89 | |
| 1947-48 | 53 | 1,417,320 | 2,208,919.12 | 66,347 | 21.4 | 203,888.11 | 161,471.05 | 2.43 | 3.07 | |
| 1948-49 | 54 | 1,436,480 | 2,486,277.28 | 71,393 | 20.1 | 204,012.40 | 175,666.27 | 2.46 | 2.86 | |
| 1949-50 | 54 | 1,439,680 | 2,809,196.14 | 70,308 | 20.5 | 211,624.23 | 172,255.25 | 2.45 | 3.01 | |
| 1950-51 | 56 | 1,521,080 | 3,237,330.55 | 68,858 | 22.1 | 221,129.45 | 217,867.15 | 3.16 | 3.21 | |
| 1951-52 | 57 | 1,574,642 | 3,426,586.10 | 77,240 | 20.4 | 335,327.16 | 237,742.13 | 3.08 | 4.34 | |
| 1952-53 | 59 | 1,652,020 | 3,754,098.41 | 94,137 | 17.5 | 438,513.75 | 373,737.36 | 3.97 | 4.66 | |
| 1953-54 | 60 | 1,678,736 | 3,963,572.83 | 109,583 | 15.3 | 507,179.14 | 490,807.89 | 4.48 | 4.55 | |
| 1954-55 | 60 | 1,696,900 | 4,273,916.79 | 106,322 | 15.9 | 496,805.78 | 466,153.69 | 4.38 | 4.66 | |
| 1955-56 | 60 | 1,728,700 | 4,509,668.59 | 108,499 | 15.8 | 499,045.13 | 501,540.73 | 4.67 | 4.60 | |
| 1956-57 | 61 | 1,759,570 | 4,832,863.47 | 117,441 | 14.9 | 548,601.01 | 508,002.83 | 4.33 | 4.67 | |
| 1957-58 | 61 | 1,796,275 | 5,119,317.01 | 119,398 | 15.0 | 552,938.40 | 607,129.23 | 5.08 | 4.63 | |
| 1958-59 | 62 | 1,815,265 | 5,509,958.43 | 117,032 | 15.5 | 542,606.90 | 686,448.88 | 5.87 | 4.64 | |
| 1959-60 | 64 | 1,818,464 | 5,800,342.43 | 124,812 | 14.6 | 705,785.32 | 742,915.21 | 5.95 | 5.65 | |
| 1960-61 | 65 | 1,896,173 | 6,254,224.42 | 122,813 | 15.4 | 656,708.97 | 879,811.85 | 7.15 | 5.35 | |
| 1961-62 | 68 | 2,088,704 | 6,845,655.79 | 146,672 | 14.2 | 860,808.25 | 1,128,255.75 | 7.69 | 5.87 | |
| 1962-63 | 71 | 2,114,412 | 7,283,657.67 | 139,643 | 15.1 | 871,955.43 | 1,044,241.41 | 7.48 | 6.24 | |
| | | | | | | 8,719,816.59 | 9,097,442.23 | | | |

x - A livestock unit indicates one head of cattle, one horse, or five sheep.

A pasture unit may include one or more pastures, but it is operated under one management.

APPENDIX VI

P.F.R.A. COMMUNITY PASTURES IN OPERATION DURING THE FISCAL YEAR ENDED MARCH 31, 1963

| Community Pasture & Headquarters | Total Area of Pasture Fenced (Acres) | Accumulated Cost of Construction March 31, 1962 | Accumulated Cost of Construction March 31, 1963 | 1962-1963 | | |
|---|--|---|---|-----------|--------|-------|
| | | | | Cattle | Horses | Sheep |
| Pasture Units - Saskatchewan | | | | | | |
| Antelope Park #322, Hoosier | 34,640 | 112,978.89 | 114,673.64 | 1,456 | 21 | |
| Auvergne-Wise Creek #76-77, Cadillac | 42,880 | 149,511.56 | 153,456.96 | 3,038 | - | |
| Battle Creek #20, Divide | 69,920 | 169,949.49 | 177,840.47 | 2,577 | - | |
| Battle River-Cutknife #438-9, Gallivan | 31,680 | 99,932.39 | 102,727.39 | 1,768 | 22 | |
| Beaver Hills #245-6, Parkerview | 44,160 | 157,100.31 | 167,173.05 | 4,283 | 102 | |
| Big Stick #141, Maple Creek | 22,260 | 48,320.53 | 50,925.53 | 1,497 | - | |
| Bitter Lake #142, Maple Creek | 43,870 | 130,213.93 | 132,765.64 | 2,218 | - | |
| Brokenshell #68, Pasture #1, Yellow Grass | 22,720 | 112,282.91 | 114,963.20 | 1,953 | 31 | |
| Brokenshell #68, Pasture #2, Weyburn | 8,160 | 16,730.80 | 16,730.80 | 397 | 1 | |
| Caledonia-Elmsthorpe #99-100, Milestone | 26,400 | 121,804.41 | 121,804.41 | 2,087 | 35 | |
| Coalfields #4, North Portal | 32,860 | 172,736.76 | 177,145.42 | 3,902 | 39 | 2,040 |
| Cote #271, Togo | 9,920 | 79,890.71 | 82,889.46 | 625 | - | |
| Coteau #255, Birsay | 27,520 | 67,795.84 | 68,907.50 | 1,753 | 13 | |
| Dundurn #314, Dundurn | 44,840 | 118,528.25 | 122,247.37 | 2,161 | - | 504 |
| Eagle Lake #289-319, Netherhill | 23,729 | 105,168.41 | 114,709.26 | 905 | - | |
| Elbow #223-4, Elbow | 30,080 | 84,839.03 | 98,655.85 | 2,266 | 26 | |
| Estevan-Cambria #5-6, Macoun | 6,720 | 21,191.07 | 21,191.07 | 508 | - | |
| Excel #71, Ormiston | 20,500 | 80,993.88 | 83,913.68 | 1,552 | - | |
| Fairview #258, Elrose | 17,000 | 126,181.09 | 129,871.64 | 1,171 | - | |
| Govenlock #22, Govenlock | 68,800 | 118,191.72 | 128,533.49 | 1,666 | - | |
| Gull Lake #139, Tompkins | 10,720 | 34,992.31 | 36,351.99 | 639 | - | |
| Heart's Hill #352, Compeer, Alta. | 15,520 | 64,988.96 | 67,074.71 | 1,550 | - | |
| Hillsburg #289, Brock | 13,600 | 57,625.39 | 57,990.33 | 845 | - | |
| Key West #70, Kayville | 10,240 | 38,641.58 | 44,713.04 | 707 | 2 | |
| Kindersley-Elma #290-1, Smiley | 21,400 | 123,324.68 | 125,887.90 | 1,120 | 6 | |
| Laurier #38, Lomond #37 - #2, Radville | 37,175 | 117,361.14 | 122,922.06 | 3,490 | 30 | |
| Lomond Pasture #37, Pasture #1, Goodwater | 23,360 | 92,010.85 | 100,606.69 | 2,710 | 48 | |
| Lomond #37, Pasture #3, Maxim | 18,400 | 93,533.58 | 93,903.08 | 1,827 | 9 | |

| Community Pasture & Headquarters | Total Area of Pasture Fenced (Acres) | Accumulated Cost of Construction March 31, 1962 | Accumulated Cost of Construction March 31, 1963 | 1962-1963 | | |
|---|--|---|---|-----------|--------|-------|
| | | | | Cattle | Horses | Sheep |
| Pasture Units - Saskatchewan (cont'd) | | | | | | |
| Lone Tree #18, Bracken | 33,600 | 107,216.97 | 110,608.60 | 1,494 | - | - |
| McCraney #282, Davidson | 10,720 | 70,021.52 | 70,021.52 | 1,623 | - | - |
| Mantario #262, Empress, Alta. | 24,960 | 83,767.24 | 84,396.74 | 1,769 | - | - |
| Mariposa #350, Kerrobert | 26,880 | 103,096.08 | 110,161.20 | 1,639 | - | - |
| Masefield #17, Orkney | 36,800 | 120,697.63 | 129,260.55 | 1,745 | - | - |
| Monet #257, Elrose | 46,840 | 124,133.00 | 124,133.00 | 3,221 | 28 | - |
| Montrose #315, Donavon | 21,920 | 85,657.27 | 89,576.19 | 1,007 | - | - |
| Mt. Hope-Prairie Rose #279-309, Semans | 32,180 | 112,957.41 | 115,305.41 | 2,617 | - | - |
| Nashlyn, #21, Consul | 61,520 | 97,211.43 | 100,278.40 | 2,251 | 5 | 40 |
| Newcombe #260, Glidden | 52,960 | 195,010.30 | 196,835.19 | 2,799 | 21 | - |
| Oakdale #320, Beaufield | 20,800 | 98,607.41 | 100,343.96 | 1,445 | - | - |
| Park #375, Langham | 7,040 | 22,633.89 | 24,242.89 | 474 | - | - |
| Paynton #470, Paynton | 24,480 | 90,641.54 | 92,604.26 | 2,027 | 15 | - |
| Progress #351, Kerrobert | 20,000 | 74,551.62 | 82,118.97 | 1,494 | - | - |
| Reno #51, Pasture #1, Robsart | 17,120 | 64,633.54 | 66,232.45 | 974 | 4 | - |
| Reno #51, Pasture #2, Consul | 11,360 | 29,877.83 | 29,877.83 | 772 | - | - |
| Royal #465, Leask | 65,120 | 237,816.18 | 254,936.45 | 5,223 | - | - |
| Rudy-Rosedale #284-3, Broderick | 19,200 | 90,880.19 | 92,194.44 | 1,757 | 51 | - |
| Shamrock #134, Shamrock | 26,080 | 87,147.26 | 87,497.26 | 1,584 | - | - |
| Spy Hill #152, Welby (operated in conjunction with Ellice, Man.) | 19,570 | 58,871.71 | 60,342.62 | 799 | 7 | - |
| Swift Current-Webb #137-8, Swift Current | 19,200 | 98,849.80 | 99,764.80 | 1,663 | - | - |
| Tecumseh #65, Forget | 18,880 | 95,510.49 | 99,478.86 | 2,056 | 8 | - |
| The Gap #39, Ceylon | 13,920 | 91,335.44 | 92,312.96 | 1,230 | 22 | - |
| Usborne #310, Venn | 12,680 | 60,703.25 | 62,547.52 | 1,370 | - | - |
| Valeport | 908 | - | 6,288.20 | 543 | - | - |
| Val Marie #47, Pasture #1, Val Marie | 110,000 | 280,550.38 | 289,369.04 | 3,831 | - | - |
| Val Marie-Beaver Valley #2, Admiral | 57,680 | 60,686.85 | 64,127.90 | 2,962 | - | - |
| Wellington #97, Tyvan | 25,360 | 125,554.55 | 130,020.37 | 3,218 | 43 | - |
| Willner #253, Davidson | 13,280 | 86,368.38 | 87,759.54 | 1,898 | 9 | - |
| Wolverine #340, Plunkett | 17,280 | 83,276.31 | 83,445.53 | 1,883 | - | - |

| Community Pasture & Headquarters | Total Area of Pasture Fenced (Acres) | Accumulated Cost of Construction March 31, 1962 | Accumulated Cost of Construction March 31, 1963 | 1962-1963 Stock Pastured | | |
|---|--|---|---|-----------------------------|--------|-------|
| | | | | Cattle | Horses | Sheep |
| Pasture Units - Saskatchewan (cont'd) | | | | | | |
| Wreford #280, Nokomis | 13,870 | 83,615.95 | 85,313.94 | 1,127 | - | - |
| Total for Saskatchewan | 1,661,282 | 5,738,701.89 | 5,951,972.22 | 109,166 | 598 | 2,584 |
| Special Project - Bitter Lake Irrigation acreage included in Bitter Lake Pasture. | | | | | | |
| Pasture Units - Manitoba | | | | | | |
| Archie, Welwyn, Sask. | 39,740 | 99,482.17 | 102,944.27 | 1,630 | 11 | 1,050 |
| Dauphin-Ethelbert, Ukraina | 23,400 | 120,014.99 | 126,851.00 | 1,488 | 8 | - |
| Ellice, Welby, Sask. (operated in conjunction with Spy Hill #152) | 20,320 | 28,998.21 | 30,469.12 | 799 | 7 | - |
| Gardenton, Gardenton | 12,560 | - | 74,944.83 | 865 | - | - |
| Lakeview, Langruth | 29,280 | 84,820.82 | 84,820.82 | 2,921 | 26 | - |
| Langford, Neepawa | 20,000 | 77,559.36 | 80,557.08 | 1,652 | 27 | - |
| McCreary, McCreary | 71,820 | 244,935.46 | 258,934.98 | 3,433 | 15 | - |
| Portage, Poplar Point | 14,640 | 48,923.97 | 49,675.57 | 2,410 | 25 | - |
| San Clara | 8,320 | 34,608.03 | 37,606.78 | 626 | - | - |
| Turtle Mountain, Boissevain | 23,870 | 143,750.19 | 146,399.91 | 1,642 | 14 | - |
| Wallace, Virden | 10,240 | - | 65,207.98 | 741 | - | - |
| Wallace, Elkhorn | 3,280 | (Operated by the R.M. of Wallace) | - | - | - | - |
| Westbourne, Gladstone | 12,700 | 57,664.63 | 58,592.00 | 1,784 | 28 | - |
| Woodlands, Poplar Point | 20,960 | 75,389.92 | 85,961.01 | 3,183 | 29 | - |
| Total for Manitoba | 311,130 | 1,016,147.75 | 1,202,965.35 | 23,174 | 190 | 1,050 |
| Pasture Units - Alberta | | | | | | |
| Suffield, Medicine Hat | 145,280 | 90,806.15 | 128,720.10 | 5,788 | - | - |
| Total for Alberta | 145,280 | 90,806.15 | 128,720.10 | 5,788 | - | - |
| GRAND TOTALS | | | | | | |
| | 2,117,692 | 6,845,655.79 | 7,283,657.67 | 138,128 | 788 | 3,634 |

APPENDIX VII
MAJOR PROJECTS - IRRIGATION, RECLAMATION AND WATER STORAGE
(Projects by Special Votes of Parliament, Administered by P.F.R.A.)
to March 31, 1963

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|---|---------------|-------------------|------------|----------|-------------------------|------------|
| MANITOBA | | | | | | |
| Assiniboine River Diking & Cut Off | Brandon | River Control | Incomplete | - | - | 1,276,134 |
| North-West Escarpment Reclamation Proj. - Riding Mt. Area | Dauphin | Watershed Control | Incomplete | - | - | 1,154,308 |
| Fairford River Project | Lake Manitoba | Flood Control | 1960 | - | - | 287,751 |
| Saskatchewan River Reclamation - Pasquia Area | The Pas | Reclamation | Incomplete | 135,000 | - | 2,256,388 |
| ALBERTA | | | | | | |
| Bow River | Medicine Hat | Irrigation | Incomplete | 235,000 | 408,862 | 54,398 |
| (a) Purchase of Canada Land & Irrigation Company | | | | | | 2,353,182 |
| (b) Development & Construction | | | | | | 21,501,504 |
| St. Mary | Lethbridge | Irrigation | Incomplete | 510,000 | 320,000 | 18,886,519 |
| Belly River Diversion | Lethbridge | Irrigation | 1950 | - | - | 53,901 |
| BRITISH COLUMBIA | | | | | | |
| Cawston Benches | Keremeos | Irrigation (pump) | 1951 | 629 | 2,000 | 185,491 |
| Chase & Johnston - Western Canada Ranching | Kamloops | Irrigation | 1951 | 755 | - | 98,243 |
| Western Canada Ranching #2 | Kamloops | Irrigation (pump) | 1950 | 54 | - | 58,069 |
| Lillooet - Pemberton | Pemberton | River Control | 1953 | - | - | 1,056,539 |
| South Thompson - Niskonlith Gravity Project | Kamloops | Irrigation | Incomplete | 1,030 | 1,200 | 12,282 |
| Westbank Project | Kelowna | Irrigation | 1950 | 1,200 | 2,500 | 537,450 |
| Bankhead Irrigation Project | Kelowna | Irrigation | 1951 | 92 | - | 32,229 |
| Penticton West Bench | Penticton | Irrigation (pump) | 1953 | 800 | - | 66,362 |
| B.C. Fruitlands | Kamloops | Irrigation | Incomplete | 2,000 | - | 200,000 |

(Above includes ONLY Construction Costs)

| Name of Project | Location | Type of Project | Completed | Irr. Ac. | Stor. Cap. Acre Feet | Costs |
|-------------------------------------|----------------------|--------------------|------------|---|-------------------------|------------|
| SASKATCHEWAN | | | | | | |
| South Saskatchewan River Project | Qutlook | Multi-purpose | Incomplete | 500,000 (Including 24,000 in Qu'Appelle extension) | - | 49,548,901 |
| Buffalo Pound Project | Qu'Appelle Valley | Urban Water Supply | 1960 | - | 42,000 | 2,194,908 |
| - Eyebrow Lake Diversion | Eyebrow | Water Supply | 1960 | - | - | 98,376 |

(Above includes ONLY Construction Costs)

APPENDIX VIII
PFRA EXPENDITURES BY ACTIVITIES
April 1, 1935 to March 31, 1963

ADMINISTRATION

Ottawa and Regina Administration
Engineering Services - Surveys, Design, Soil Mechanics,
Drainage Studies, Legal Surveys, Supervision of Construction

\$ 2,985,930
22,562,110

LAND UTILIZATION

Cultural work - Soil Drifting, etc. (Exp. Farm Service)
Community Pastures - Construction, Operation and Maintenance
Movement of Settlers

4,966,394
23,267,614
227,841

WATER DEVELOPMENT

Small Farm Projects
Community, Large Water Storage and Irrigation Projects
Supervision
Equipment - Purchase and Repairs, Service Depot

25,279,114
20,128,769
4,112,138
8,803,779

MAJOR PROJECTS: IRRIGATION, RECLAMATION AND CONSERVATION

St. Mary Irrigation Project
Bow River Irrigation Project
South Saskatchewan River Project
Assiniboine River Dyking
B.C. Reclamation and Development, incl. Lillooet Project
Land Protection and Reclamation, Manitoba and Eastern Canada
Miscellaneous Projects - Construction

26,713,427
31,734,200
59,010,362
1,439,264
3,310,182
3,977,226
4,359,843
\$242,878,193

REVENUE:

Community Pasture Operations
Irrigation Project Operation and General Revenue

\$ 9,328,291
4,738,830
\$14,067,121



Date Due

CIRC AU 22 '75

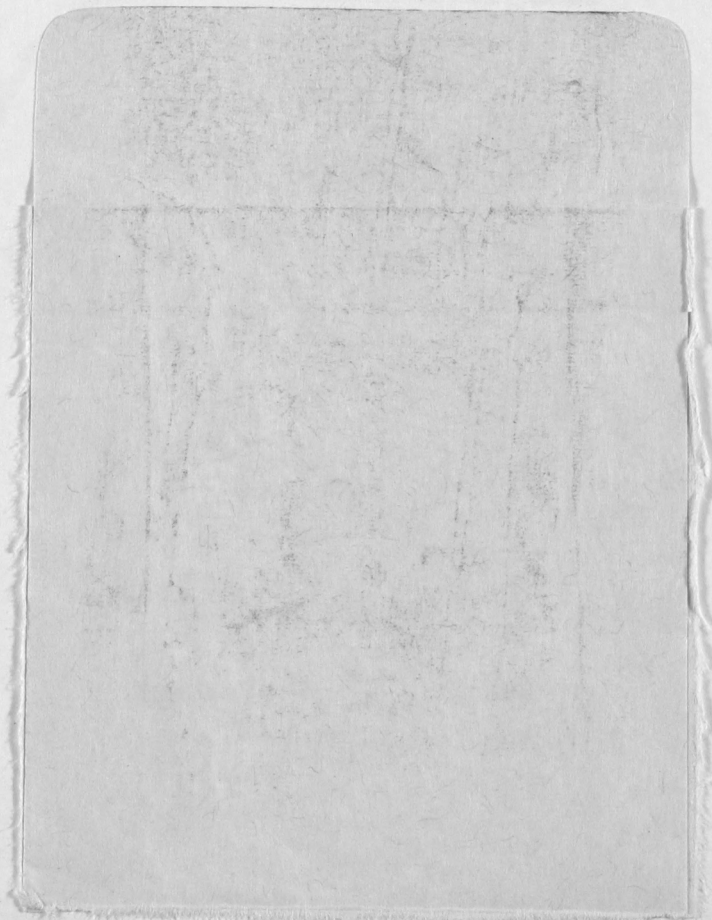
AUG 12 RETURN

CIRC SE 15 '76

HD 1781 A2 P8223 1962/1963
CANADA PRAIRIE FARM
REHABILITATION ADMINISTRATION
ANNUAL REPORT PRAIRIE FARM
40025453 SCI



000031055775



B42725